

**Supplementary Table S1. The primer sequences.**

gene	sequence
IKBKB forward	CTCTGGAATCTCCTGAAGATTGCTTGTAG
IKBKB reverse	ACTCTTCTTGGCTGGCTCAGGTAA
CTSL forward	GCTGGTGGTTGGCTACGG
CTSL reverse	CTGGCTGCTGAGGCAATTCC
18S forward	GTAACCCGTTGAACCCCAT
18S ereverse	CCATCCAATCGGTAGTAGCG

**Supplementary Table S2.** The significantly (p-value<0.05) differentially expressed genes between HC and PsA samples.

Gene Symbol	p-value(PsA vs. HC)	Ratio(PsA vs. HC)	Fold-Change(PsA vs. HC)
RP11-1250I15.3	2.37E-05	0.849095	Down-regulated in PsA
MIR4529	7.16E-05	0.852082	Down-regulated in PsA
CTD-2046J7.1	8.50E-05	1.13452	Up-regulated in PsA
Metazoa_SRP	9.77E-05	1.40689	Up-regulated in PsA
CCM2	0.000138632	0.652289	Down-regulated in PsA
RP11-296L22.8	0.00016851	0.643956	Down-regulated in PsA
RN7SL32P	0.000186652	1.04918	Up-regulated in PsA
MR1	0.000190391	0.750151	Down-regulated in PsA
SERPINB8P1	0.000197135	1.30825	Up-regulated in PsA
RN7SL336P	0.000234964	1.02217	Up-regulated in PsA
AC005943.5	0.000252125	1.33327	Up-regulated in PsA
RPSAP19	0.000286829	0.847361	Down-regulated in PsA
FGF9	0.000287224	0.927472	Down-regulated in PsA
SAP30	0.000379988	0.728834	Down-regulated in PsA
AFF2	0.000381297	1.35121	Up-regulated in PsA
ZNF408	0.00038907	1.13381	Up-regulated in PsA
AP2A2	0.000467788	0.874084	Down-regulated in PsA
RP11-187C18.4	0.000491202	0.846995	Down-regulated in PsA
AC144836.1	0.000499784	1.44191	Up-regulated in PsA
HENMT1	0.000524287	0.655233	Down-regulated in PsA
RP11-463O9.2	0.000529401	1.28918	Up-regulated in PsA
GAS8	0.000553462	0.952534	Down-regulated in PsA

DMWD	0.000590159	0.816036 Down-regulated in PsA
RP11-25K19.1	0.00059694	1.21044 Up-regulated in PsA
TRAT1	0.000621351	1.14239 Up-regulated in PsA
RPL31P13	0.000645405	1.49662 Up-regulated in PsA
RP13-210D15.1	0.000648518	0.833492 Down-regulated in PsA
RP11-47G4.1	0.000649559	0.816868 Down-regulated in PsA
MIR575	0.000660723	1.3028 Up-regulated in PsA
SEPT14P8	0.000672576	0.722071 Down-regulated in PsA
FAM53C	0.000675196	1.14722 Up-regulated in PsA
SLC9A5	0.000698574	0.892672 Down-regulated in PsA
RP11-624L4.1	0.000714884	1.1813 Up-regulated in PsA
SNRPF	0.000739719	0.731 Down-regulated in PsA
RAB36	0.000752844	1.21569 Up-regulated in PsA
ZNRD1-AS1	0.00075875	0.523453 Down-regulated in PsA
GS1-466O4.5	0.000769065	0.672766 Down-regulated in PsA
LOC102467222	0.000786555	0.848018 Down-regulated in PsA
CTA-415G2.2	0.000808644	0.78895 Down-regulated in PsA
XXbac-BPGBPG34I8.2	0.000878839	1.45339 Up-regulated in PsA
RN7SL679P	0.000935574	1.27347 Up-regulated in PsA
RP11-525K10.2	0.00093749	1.28064 Up-regulated in PsA
NR2E1	0.000957441	1.14396 Up-regulated in PsA
SEC62-AS1	0.000960994	1.17614 Up-regulated in PsA
TRPM1	0.000961237	0.856917 Down-regulated in PsA
AC002400.1	0.00104132	0.774939 Down-regulated in PsA
SNORD74	0.00107904	1.31914 Up-regulated in PsA

APOBR	0.00111514	0.770995 Down-regulated in PsA
LOC401585	0.00112606	1.15786 Up-regulated in PsA
RNY1	0.00114947	1.07862 Up-regulated in PsA
RP11-159D12.8	0.00123031	0.727212 Down-regulated in PsA
ATP13A4	0.00125105	1.32945 Up-regulated in PsA
MED4	0.0012511	0.8265 Down-regulated in PsA
RP11-132M7.2	0.00127915	1.619 Up-regulated in PsA
NMNAT1P4	0.0012866	0.774346 Down-regulated in PsA
HERC2P4	0.0012932	0.485075 Down-regulated in PsA
RAD51AP2	0.00129942	0.64071 Down-regulated in PsA
HMGB1P47	0.00132219	1.21196 Up-regulated in PsA
RP11-339N8.1	0.00135137	0.814475 Down-regulated in PsA
GABBR1	0.00138556	0.765234 Down-regulated in PsA
RP11-561N12.6	0.0013925	0.826986 Down-regulated in PsA
PAFAH1B1	0.00139348	0.81306 Down-regulated in PsA
ZNF354B	0.00139818	0.772608 Down-regulated in PsA
CRPP1	0.00142678	0.80707 Down-regulated in PsA
EIF4EBP2P1	0.00145529	1.3221 Up-regulated in PsA
RP11-344N17.3	0.0015087	0.906627 Down-regulated in PsA
MIR526A2	0.00152026	0.76561 Down-regulated in PsA
RN7SL143P	0.00152524	1.30417 Up-regulated in PsA
MUS81	0.00153708	0.843145 Down-regulated in PsA
PRKCA-AS1	0.00153898	1.28617 Up-regulated in PsA
RP5-1142J19.2	0.00154122	1.37129 Up-regulated in PsA
NCAM2	0.00154883	0.832106 Down-regulated in PsA

ZNF529-AS1	0.00156011	0.89338 Down-regulated in PsA
WWC2	0.00156703	0.77491 Down-regulated in PsA
STARD5	0.00157963	1.11423 Up-regulated in PsA
E4F1	0.00159106	1.02397 Up-regulated in PsA
ZNRD1-AS1_2	0.00159355	0.903781 Down-regulated in PsA
RP11-791O21.5	0.00161576	1.18544 Up-regulated in PsA
LOC100653233	0.00162109	1.68109 Up-regulated in PsA
RP11-22A3.2	0.00165188	1.14784 Up-regulated in PsA
RP11-497J7.4	0.00171121	1.0779 Up-regulated in PsA
CIART	0.00171504	0.76399 Down-regulated in PsA
HAUS3	0.00172091	0.713264 Down-regulated in PsA
RP11-341D18.2	0.00172892	1.36082 Up-regulated in PsA
INIP	0.00174577	0.798018 Down-regulated in PsA
SNAR-A12	0.00178368	1.15196 Up-regulated in PsA
SNAR-A12	0.00178368	1.15196 Up-regulated in PsA
ODC1	0.00178536	0.858466 Down-regulated in PsA
LOC105375556	0.0017926	0.819601 Down-regulated in PsA
RASD1	0.00183187	1.1485 Up-regulated in PsA
TOP3B	0.00184204	0.773297 Down-regulated in PsA
MIR4526	0.00184753	1.23005 Up-regulated in PsA
RP11-594C13.2	0.00186159	0.736686 Down-regulated in PsA
GAPDHP67	0.00186321	0.856196 Down-regulated in PsA
LOC339803	0.00188497	1.09246 Up-regulated in PsA
PCBD2	0.00189097	0.719388 Down-regulated in PsA
CTD-2008P7.1	0.00190436	0.829623 Down-regulated in PsA

MIR185	0.00190999	1.17352 Up-regulated in PsA
SLC25A10	0.00191206	1.19034 Up-regulated in PsA
RP11-963H4.6	0.00192238	1.33855 Up-regulated in PsA
AC090957.2	0.00195133	1.12174 Up-regulated in PsA
RP11-553K8.2	0.00196529	1.36273 Up-regulated in PsA
RP11-369K16.1	0.00197949	0.528255 Down-regulated in PsA
LOC101927488	0.00199046	0.88184 Down-regulated in PsA
FOXN3-AS1	0.0020203	0.730273 Down-regulated in PsA
SARS	0.00203359	0.844009 Down-regulated in PsA
TRPV4	0.00206361	0.650063 Down-regulated in PsA
RP11-684B21.1	0.00208275	1.33798 Up-regulated in PsA
RP11-65E10.1	0.0020914	1.84909 Up-regulated in PsA
AC006129.1	0.00210851	1.14746 Up-regulated in PsA
RP11-48B3.3	0.0021164	1.15804 Up-regulated in PsA
MGA	0.00213153	0.699174 Down-regulated in PsA
OSTC	0.00214325	0.806597 Down-regulated in PsA
RNU6-129P	0.00214526	1.37997 Up-regulated in PsA
L29074.3	0.0021462	0.892528 Down-regulated in PsA
RP11-1112C15.2	0.00216375	0.858329 Down-regulated in PsA
RP11-485B17.3	0.00217026	1.16139 Up-regulated in PsA
SFRP5	0.00220237	1.45525 Up-regulated in PsA
SCRG1	0.00220414	0.726525 Down-regulated in PsA
TRIM6-TRIM34	0.00220676	0.596184 Down-regulated in PsA
COL4A1	0.0022109	1.34186 Up-regulated in PsA
TBCD	0.00223584	0.905093 Down-regulated in PsA

RP11-460I13.2	0.00223777	1.10834 Up-regulated in PsA
ABT1P1	0.00224491	1.19451 Up-regulated in PsA
ATXN3L	0.00224512	0.828166 Down-regulated in PsA
RP11-341D18.6	0.00224619	0.911294 Down-regulated in PsA
GAS2L1P1	0.00225826	0.875587 Down-regulated in PsA
LOC728673	0.00227901	1.3815 Up-regulated in PsA
PADI2	0.00227902	0.505285 Down-regulated in PsA
PTCHD3P2	0.00231908	0.755604 Down-regulated in PsA
RP11-417J1.1	0.00234347	0.885868 Down-regulated in PsA
TNPO1P2	0.00235542	0.652873 Down-regulated in PsA
RP11-95G6.1	0.00240088	1.14529 Up-regulated in PsA
SPANXA2-OT1	0.00242616	1.17192 Up-regulated in PsA
S100A4	0.00245338	0.941235 Down-regulated in PsA
DPH6	0.00246262	0.638028 Down-regulated in PsA
RP11-295P9.8	0.00246832	0.903634 Down-regulated in PsA
MUTYH	0.00246933	1.13437 Up-regulated in PsA
TDRD12	0.00248528	0.73348 Down-regulated in PsA
KRT43P	0.00248782	1.6596 Up-regulated in PsA
ZEB1-AS1	0.00249932	1.14993 Up-regulated in PsA
CST1	0.00249953	0.642655 Down-regulated in PsA
SERPINB5	0.00250835	0.905523 Down-regulated in PsA
MIR4473	0.00251442	0.845493 Down-regulated in PsA
DAPK3	0.00252426	0.677331 Down-regulated in PsA
RP11-155I9.1	0.00254579	0.773374 Down-regulated in PsA
PFDN4	0.00254612	0.716175 Down-regulated in PsA

RPS26P30	0.00254771	0.895834 Down-regulated in PsA
AC099850.1	0.00258976	1.20673 Up-regulated in PsA
LINC01164	0.00260623	1.46895 Up-regulated in PsA
TPT1P7	0.00262174	1.13061 Up-regulated in PsA
HSPD1P15	0.00262727	0.768833 Down-regulated in PsA
SEPT14P24	0.00265262	0.767683 Down-regulated in PsA
NDUFA9	0.00265777	0.795713 Down-regulated in PsA
RER1	0.0026781	0.738385 Down-regulated in PsA
UTS2	0.002705	0.0756545 Down-regulated in PsA
TNFRSF11B	0.002738	1.17584 Up-regulated in PsA
NUS1P4	0.00274304	0.819097 Down-regulated in PsA
RP1-229K20.5	0.0027863	1.28903 Up-regulated in PsA
COA1	0.00283402	1.21282 Up-regulated in PsA
AC079630.4	0.00283408	0.899963 Down-regulated in PsA
SCARNA6	0.00284538	0.964833 Down-regulated in PsA
SCARNA6	0.00284538	0.964833 Down-regulated in PsA
CTD-2140B24.6	0.00286076	1.49012 Up-regulated in PsA
LINC-ROR	0.00287027	0.819535 Down-regulated in PsA
ERV3-1	0.00291675	0.549128 Down-regulated in PsA
CTD-2073O6.1	0.00293916	1.14276 Up-regulated in PsA
GDPGP1	0.0029466	0.64306 Down-regulated in PsA
SETP11	0.00300706	1.20961 Up-regulated in PsA
RP11-328L11.1	0.00300813	1.10549 Up-regulated in PsA
FAM216A	0.00302729	0.761242 Down-regulated in PsA
RN7SKP178	0.00303302	0.73638 Down-regulated in PsA



RP11-319G9.4	0.00304267	1.40115 Up-regulated in PsA
ACTR1A	0.00305609	0.935546 Down-regulated in PsA
RP11-506H20.2	0.00306726	2.08243 Up-regulated in PsA
MIA	0.00307125	1.15328 Up-regulated in PsA
GS1-251I9.3	0.00308504	1.0445 Up-regulated in PsA
RP11-7C6.1	0.0031035	1.44143 Up-regulated in PsA
RP11-110A12.2	0.00315054	0.850289 Down-regulated in PsA
KRTAP5-2	0.00318865	1.28341 Up-regulated in PsA
RP11-380D23.1	0.00321748	1.31556 Up-regulated in PsA
RP11-540B6.3	0.00322121	0.686639 Down-regulated in PsA
LMO4	0.00326811	0.800057 Down-regulated in PsA
AC009120.3	0.00329156	0.815601 Down-regulated in PsA
ZNF37A	0.00330081	0.711254 Down-regulated in PsA
AC012671.2	0.00333413	1.14702 Up-regulated in PsA
CTC-505O3.3	0.00333558	0.736855 Down-regulated in PsA
DHRS4	0.00335418	0.697931 Down-regulated in PsA
TTC7B	0.0033821	0.863209 Down-regulated in PsA
RP11-498E2.7	0.00340056	0.909108 Down-regulated in PsA
DNAJC5B	0.00340484	0.636965 Down-regulated in PsA
SLC16A1	0.00343672	0.61593 Down-regulated in PsA
OR10J3	0.00347406	0.807802 Down-regulated in PsA
RP11-656D10.6	0.00350096	1.21533 Up-regulated in PsA
GSTZ1	0.00350855	0.858688 Down-regulated in PsA
CYP2D6	0.00351064	1.16694 Up-regulated in PsA
LINC00910	0.00352302	1.1248 Up-regulated in PsA

NCALD	0.00353343	1.21617 Up-regulated in PsA
EMC6	0.00354397	0.948797 Down-regulated in PsA
RN7SL271P	0.00355242	1.09255 Up-regulated in PsA
RN7SL426P	0.0035645	1.08685 Up-regulated in PsA
FADD	0.00357763	0.803587 Down-regulated in PsA
PARG	0.00362911	0.715398 Down-regulated in PsA
LRRC1	0.0036561	0.588371 Down-regulated in PsA
LOC283194	0.00369756	0.743497 Down-regulated in PsA
RNASEH1	0.00374252	1.21212 Up-regulated in PsA
MIR6871	0.00375236	1.25936 Up-regulated in PsA
OR1L4	0.00377919	0.729836 Down-regulated in PsA
ATP10A	0.00383424	0.788678 Down-regulated in PsA
C5orf66-AS2	0.00388041	1.33384 Up-regulated in PsA
LOC105755953	0.00388824	0.733734 Down-regulated in PsA
LINC00871	0.00389759	0.782372 Down-regulated in PsA
RP11-257P3.3	0.00393682	1.48002 Up-regulated in PsA
RP11-74E22.5	0.00394805	0.671788 Down-regulated in PsA
RP11-116O18.3	0.00395799	1.16359 Up-regulated in PsA
ZNF416	0.00399014	0.657003 Down-regulated in PsA
LOC105378405	0.00404002	0.806765 Down-regulated in PsA
ARL14	0.00405189	0.785451 Down-regulated in PsA
RP11-21B21.4	0.00407211	0.758047 Down-regulated in PsA
WISP2	0.00408051	1.09555 Up-regulated in PsA
LINC00686	0.00410882	1.11831 Up-regulated in PsA
CNTD1	0.00410961	0.599738 Down-regulated in PsA

DCLRE1CP1	0.00411346	0.675854 Down-regulated in PsA
RNASE3	0.00412125	0.53984 Down-regulated in PsA
RN7SKP124	0.00413348	1.28027 Up-regulated in PsA
MYO16	0.00413565	0.858195 Down-regulated in PsA
FAM166B	0.00414421	0.750668 Down-regulated in PsA
CECR3	0.00415132	1.11422 Up-regulated in PsA
RYBP	0.00415809	0.777539 Down-regulated in PsA
AC007274.2	0.00417095	1.18362 Up-regulated in PsA
SLX4	0.00420109	0.764217 Down-regulated in PsA
RP11-141J13.3	0.00421486	1.28601 Up-regulated in PsA
CTB-31O20.9	0.00423711	1.40283 Up-regulated in PsA
RP11-149F8.4	0.00423944	1.57165 Up-regulated in PsA
RP11-160K17.1	0.00425917	1.68065 Up-regulated in PsA
MIR4660	0.00425926	0.702459 Down-regulated in PsA
SDR42E1P3	0.00426188	1.15878 Up-regulated in PsA
FRG2DP	0.00426626	1.34858 Up-regulated in PsA
RP11-136I14.2	0.00428654	0.556263 Down-regulated in PsA
EIF4EP5	0.00429041	0.735852 Down-regulated in PsA
CTNNBIP1	0.00432032	0.971721 Down-regulated in PsA
MIR4438	0.00432458	0.794243 Down-regulated in PsA
DCAF10	0.00432743	0.717625 Down-regulated in PsA
RPS12	0.004377	1.04855 Up-regulated in PsA
DNAJC3-AS1	0.00440964	0.854969 Down-regulated in PsA
NCAPG2	0.00444087	0.694894 Down-regulated in PsA
RP1-293L6.1	0.00446686	0.880661 Down-regulated in PsA

DCDC5	0.00447122	1.2984 Up-regulated in PsA
CTD-2326C4.1	0.00452074	0.893583 Down-regulated in PsA
KCNMB2-AS1	0.0045243	1.27477 Up-regulated in PsA
AC072061.2	0.00452518	1.39015 Up-regulated in PsA
RP3-406A7.7	0.00456223	1.59587 Up-regulated in PsA
CH507-236L23.2	0.00457291	0.864762 Down-regulated in PsA
RP11-184M15.2	0.0046194	1.94118 Up-regulated in PsA
ZCCHC7	0.00463584	0.769934 Down-regulated in PsA
RP11-321A17.5	0.0046494	1.34882 Up-regulated in PsA
SNORD96B	0.00466571	0.756276 Down-regulated in PsA
CCL1	0.00468728	1.14494 Up-regulated in PsA
C9orf153	0.00470691	0.688649 Down-regulated in PsA
SUDS3P1	0.00470879	1.22618 Up-regulated in PsA
SPATA1	0.00472009	0.603738 Down-regulated in PsA
RP11-334C17.3	0.00472829	1.46256 Up-regulated in PsA
RP11-495P10.4	0.00473981	1.38565 Up-regulated in PsA
HSPD1	0.00475232	0.726778 Down-regulated in PsA
SKIV2L2	0.00475541	0.759377 Down-regulated in PsA
AP000997.3	0.00480097	1.36401 Up-regulated in PsA
FRAT2	0.00481767	0.808028 Down-regulated in PsA
N4BP1	0.00482278	0.8006 Down-regulated in PsA
NDUFS5P1	0.00482359	1.30486 Up-regulated in PsA
CHRM3	0.00483858	0.842188 Down-regulated in PsA
CTC-563A5.2	0.00484796	1.36219 Up-regulated in PsA
LDLRAP1	0.00487077	1.07088 Up-regulated in PsA

RP11-541M12.3	0.00488496	0.723912 Down-regulated in PsA
CRLS1	0.00488721	0.854033 Down-regulated in PsA
AC116050.1	0.00492068	1.23103 Up-regulated in PsA
RP11-12A20.8	0.00494205	1.51236 Up-regulated in PsA
CPLX2	0.00496012	1.16175 Up-regulated in PsA
MTCO1P27	0.00497427	0.847112 Down-regulated in PsA
EFNA2	0.00498569	1.12998 Up-regulated in PsA
RP11-261C10.1	0.00499573	1.1722 Up-regulated in PsA
ANGPT2	0.00503224	0.727173 Down-regulated in PsA
EIF3J	0.00507148	0.721147 Down-regulated in PsA
ASB4	0.00507336	0.652761 Down-regulated in PsA
BCS1L	0.0050736	0.850477 Down-regulated in PsA
PRELID3BP8	0.0050826	1.20175 Up-regulated in PsA
RAB3IP	0.00508628	0.666303 Down-regulated in PsA
PPARG	0.0050969	0.66373 Down-regulated in PsA
RP11-675F6.4	0.00512486	1.18438 Up-regulated in PsA
LOC101929380	0.00513246	1.1531 Up-regulated in PsA
RP3-508I15.9	0.00516896	1.43841 Up-regulated in PsA
INAFM1	0.00518649	1.15023 Up-regulated in PsA
LOC101929229	0.00518975	0.802629 Down-regulated in PsA
ACD	0.00520317	0.957171 Down-regulated in PsA
RNU7-127P	0.00521904	0.946926 Down-regulated in PsA
ZNF652	0.00522751	0.86364 Down-regulated in PsA
VPS8	0.00524515	0.654255 Down-regulated in PsA
RP11-43N22.1	0.00525257	1.28672 Up-regulated in PsA

RP11-573G6.8	0.00525898	1.37994 Up-regulated in PsA
RBPJP7	0.00527112	0.782031 Down-regulated in PsA
RP11-615I2.1	0.00529453	1.0405 Up-regulated in PsA
Y_RNA	0.00529605	1.26903 Up-regulated in PsA
RP4-700A9.1	0.00530483	1.18213 Up-regulated in PsA
CTD-2574D22.4	0.00530916	0.705094 Down-regulated in PsA
DEFB121	0.00534962	0.723061 Down-regulated in PsA
BUD13	0.00535294	0.80032 Down-regulated in PsA
LOC375196	0.00535464	0.84649 Down-regulated in PsA
IPO5P1	0.00538708	1.4073 Up-regulated in PsA
ANP32AP1	0.00540384	0.725111 Down-regulated in PsA
FAM187B2P	0.00542706	1.45972 Up-regulated in PsA
C3orf36	0.00543893	1.13802 Up-regulated in PsA
ZNF35	0.00545505	0.661146 Down-regulated in PsA
PRLHR	0.0054785	0.749183 Down-regulated in PsA
CASP4	0.00551814	0.844179 Down-regulated in PsA
VPS41	0.00554984	0.812942 Down-regulated in PsA
PSMA4	0.00555456	0.792666 Down-regulated in PsA
RN7SL478P	0.00557039	1.17022 Up-regulated in PsA
RP11-295D4.3	0.00557781	1.27365 Up-regulated in PsA
RP11-770G2.5	0.0055896	0.923485 Down-regulated in PsA
RP11-546K22.1	0.00562181	0.843081 Down-regulated in PsA
AC067969.2	0.00562408	1.13279 Up-regulated in PsA
RP11-25I15.1	0.00573407	1.19101 Up-regulated in PsA
SQRDL	0.00579198	0.93359 Down-regulated in PsA

USP20	0.00579519	0.823787 Down-regulated in PsA
PAGE2	0.00583178	0.74928 Down-regulated in PsA
MIR519A2	0.00584976	1.50033 Up-regulated in PsA
FCHSD1	0.00586749	0.834644 Down-regulated in PsA
RP11-54P19.1	0.00590369	1.18392 Up-regulated in PsA
RP1-209B5.2	0.00591842	0.74783 Down-regulated in PsA
OR4X1	0.00597582	0.813801 Down-regulated in PsA
ISM1-AS1	0.00603712	1.27374 Up-regulated in PsA
MIR500B	0.00604299	0.925764 Down-regulated in PsA
OTUD6B-AS1	0.00605562	0.664448 Down-regulated in PsA
ZHX1-C8orf76	0.00605965	0.820116 Down-regulated in PsA
AC027124.3	0.00606797	1.22441 Up-regulated in PsA
GALNT11	0.00607955	0.752496 Down-regulated in PsA
RP11-754I20.3	0.00608033	1.28594 Up-regulated in PsA
RP3-334F4.2	0.00608927	0.883886 Down-regulated in PsA
BPI	0.0061322	0.560751 Down-regulated in PsA
ZNF30	0.0061327	1.21466 Up-regulated in PsA
RP6-43L17.2	0.00615906	1.19947 Up-regulated in PsA
KLF2P4	0.00621865	1.28213 Up-regulated in PsA
RP11-298J23.8	0.00627122	1.60688 Up-regulated in PsA
LOC102724776	0.00628333	1.05654 Up-regulated in PsA
MYC	0.00637983	0.656943 Down-regulated in PsA
NFKB1	0.00639143	0.777525 Down-regulated in PsA
ABI1	0.00640495	0.838628 Down-regulated in PsA
MIR15B	0.0064208	0.632928 Down-regulated in PsA

OR7C2	0.00644177	0.685007 Down-regulated in PsA
RP11-119F19.5	0.00644718	0.658865 Down-regulated in PsA
LGI2	0.00646744	0.767121 Down-regulated in PsA
GPR21	0.00646896	0.636485 Down-regulated in PsA
KB-1073A2.1	0.00647753	0.76761 Down-regulated in PsA
PSMG3	0.00654107	1.18457 Up-regulated in PsA
MRPL19	0.00655923	0.780393 Down-regulated in PsA
ATG16L1	0.00657083	0.796327 Down-regulated in PsA
DEDD	0.00661664	0.885878 Down-regulated in PsA
CASP7	0.00662208	0.918258 Down-regulated in PsA
MYDGF	0.00663738	0.861432 Down-regulated in PsA
RP11-247I13.3	0.00666912	1.15751 Up-regulated in PsA
pRNA	0.00668096	1.29658 Up-regulated in PsA
AC083843.2	0.0066843	0.91512 Down-regulated in PsA
COLGALT1	0.00668998	0.864835 Down-regulated in PsA
MRPL3	0.00671108	0.600815 Down-regulated in PsA
AC008264.4	0.00672353	0.930355 Down-regulated in PsA
RP11-109G23.1	0.00675894	1.1208 Up-regulated in PsA
TMEM191A	0.00676967	1.70745 Up-regulated in PsA
FAM138A	0.00677039	1.27234 Up-regulated in PsA
RP11-517A5.5	0.00677436	0.689605 Down-regulated in PsA
RP11-180N14.1	0.00678162	1.13139 Up-regulated in PsA
RP11-394O4.3	0.00678991	1.46251 Up-regulated in PsA
ALDOC	0.00681328	1.23164 Up-regulated in PsA
UBTD2	0.0068179	0.726476 Down-regulated in PsA



SART1	0.00681975	0.942469 Down-regulated in PsA
RP11-773H22.4	0.00684109	0.78577 Down-regulated in PsA
RP11-207C16.4	0.00688563	0.899984 Down-regulated in PsA
LOC101929512	0.00689218	1.11059 Up-regulated in PsA
BORCS5	0.00690713	1.13577 Up-regulated in PsA
PRR27	0.00691333	0.780799 Down-regulated in PsA
RPSAP11	0.00693384	0.905925 Down-regulated in PsA
RP5-933B4.1	0.00700519	1.2463 Up-regulated in PsA
LINC00265	0.00704248	1.11097 Up-regulated in PsA
FAM134A	0.00705194	0.782394 Down-regulated in PsA
RN7SL172P	0.00705772	1.0535 Up-regulated in PsA
RP11-44L9.2	0.00706018	0.858814 Down-regulated in PsA
RP11-641A6.5	0.00706095	0.82385 Down-regulated in PsA
KLF17	0.00706521	1.06563 Up-regulated in PsA
MIR7975	0.00707078	1.27506 Up-regulated in PsA
IGFL3	0.00708221	0.880189 Down-regulated in PsA
FOXP1-IT1	0.00708429	0.414445 Down-regulated in PsA
FCF1P8	0.00709316	0.656781 Down-regulated in PsA
OXSM	0.00712667	0.860758 Down-regulated in PsA
COX15	0.00714549	0.720769 Down-regulated in PsA
MIR4489	0.00715228	1.20623 Up-regulated in PsA
PDCL3P3	0.00720557	1.38562 Up-regulated in PsA
ACAD10	0.00722612	0.751417 Down-regulated in PsA
AP000568.2	0.00722918	0.855874 Down-regulated in PsA
EYS	0.00723079	0.743966 Down-regulated in PsA

MIR6893	0.00725357	1.21992 Up-regulated in PsA
SERTAD4	0.00726763	1.17045 Up-regulated in PsA
DLL4	0.00727035	0.731345 Down-regulated in PsA
SAE1	0.00728154	0.855829 Down-regulated in PsA
LOC644172	0.00731909	1.45265 Up-regulated in PsA
RP11-492D6.3	0.00732515	1.426 Up-regulated in PsA
B4GALT3	0.00732809	0.823075 Down-regulated in PsA
RNU6-335P	0.00732987	1.28174 Up-regulated in PsA
RP11-406O23.2	0.00733767	1.08122 Up-regulated in PsA
USP17L2	0.00733842	1.29633 Up-regulated in PsA
UROD	0.00734919	0.846176 Down-regulated in PsA
RPSAP50	0.00735321	1.07795 Up-regulated in PsA
RCAN3AS	0.00736079	0.698701 Down-regulated in PsA
BEX4	0.00738477	0.53521 Down-regulated in PsA
RP11-692E14.1	0.00745898	0.795922 Down-regulated in PsA
RP11-775J23.2	0.00746231	0.754538 Down-regulated in PsA
RP11-429K17.1	0.00747537	1.09805 Up-regulated in PsA
RP11-321E2.8	0.00748495	1.37775 Up-regulated in PsA
RPS4XP6	0.00749694	1.13986 Up-regulated in PsA
RP11-803B1.8	0.00752195	1.31841 Up-regulated in PsA
XPC	0.00752382	0.751593 Down-regulated in PsA
MAPK10	0.00752709	0.935478 Down-regulated in PsA
LOC101929696	0.00754991	1.42786 Up-regulated in PsA
BIRC2	0.00755812	0.738397 Down-regulated in PsA
NUMB	0.00756741	0.911542 Down-regulated in PsA

PCDHB2	0.00760125	1.44554 Up-regulated in PsA
METTL20	0.00761144	0.736846 Down-regulated in PsA
RP11-204M4.1	0.00762856	1.56924 Up-regulated in PsA
SHROOM1	0.00764417	0.490798 Down-regulated in PsA
PRDX3P4	0.00764601	0.860692 Down-regulated in PsA
AP000697.6	0.00765304	1.21097 Up-regulated in PsA
TMEM9B	0.00767462	0.853226 Down-regulated in PsA
MIR4461	0.00767983	1.14185 Up-regulated in PsA
LSG1	0.00771706	0.768655 Down-regulated in PsA
RP11-422J15.1	0.00772608	1.20003 Up-regulated in PsA
RP11-490G8.1	0.00772652	1.25113 Up-regulated in PsA
TMEM99	0.0077396	0.610421 Down-regulated in PsA
LOC102723854	0.00778705	1.09136 Up-regulated in PsA
HSPE1P19	0.00779574	0.982937 Down-regulated in PsA
SARNP	0.00782535	0.850169 Down-regulated in PsA
KPNA7	0.00785567	0.728853 Down-regulated in PsA
LOC101929633	0.00789925	0.668527 Down-regulated in PsA
KANK3	0.00791355	1.21322 Up-regulated in PsA
RN7SKP133	0.00793193	1.15502 Up-regulated in PsA
RP11-312J18.5	0.00795553	1.17548 Up-regulated in PsA
YARS	0.00798152	0.884192 Down-regulated in PsA
RP11-186N15.3	0.00799624	1.2873 Up-regulated in PsA
CRKL	0.00801309	0.92916 Down-regulated in PsA
IKBKE	0.00803629	0.800358 Down-regulated in PsA
MIR6774	0.00805456	1.11864 Up-regulated in PsA

RP5-916L7.2	0.00809178	1.32248 Up-regulated in PsA
PRRX2-AS1	0.00813795	1.14267 Up-regulated in PsA
MNX1-AS2	0.00816562	1.22051 Up-regulated in PsA
Metazoa_SRP	0.00818901	0.949015 Down-regulated in PsA
NIFK	0.00819847	0.839695 Down-regulated in PsA
RP11-216P16.6	0.00824565	1.48255 Up-regulated in PsA
MTF1	0.00825209	0.80284 Down-regulated in PsA
FABP3	0.00826929	1.28844 Up-regulated in PsA
SMCR2	0.00827252	1.52065 Up-regulated in PsA
RP5-981O7.2	0.00831552	0.712022 Down-regulated in PsA
RAX	0.00832233	1.25184 Up-regulated in PsA
TRIM36	0.0083521	0.822854 Down-regulated in PsA
CCDC107	0.00835467	0.798112 Down-regulated in PsA
VPS11	0.00837109	1.20605 Up-regulated in PsA
OR6N2	0.00837431	0.697704 Down-regulated in PsA
DNHD1	0.0083943	0.80938 Down-regulated in PsA
XRCC2	0.00840349	0.645581 Down-regulated in PsA
AXIN2	0.00841021	0.689425 Down-regulated in PsA
PCDH18	0.00842244	1.13039 Up-regulated in PsA
RNU7-190P	0.00842417	0.594434 Down-regulated in PsA
LOC101928569	0.00844103	1.26387 Up-regulated in PsA
RP11-493P1.2	0.00845137	0.693564 Down-regulated in PsA
ZIC5	0.00847535	0.831505 Down-regulated in PsA
ACBD3	0.00847997	0.829023 Down-regulated in PsA
RP11-357N13.6	0.00849045	0.650666 Down-regulated in PsA

SEMG1	0.00851587	0.6701 Down-regulated in PsA
C2orf78	0.00851785	1.21973 Up-regulated in PsA
AC005009.2	0.00852862	2.27665 Up-regulated in PsA
SLC29A2	0.00853014	0.892759 Down-regulated in PsA
CTC-459F4.6	0.00855946	0.698069 Down-regulated in PsA
TMEM44-AS1	0.00856919	0.581583 Down-regulated in PsA
BRCC3	0.00862232	0.770874 Down-regulated in PsA
LOC101929125	0.0086246	0.837294 Down-regulated in PsA
KRT8P8	0.00871791	1.40995 Up-regulated in PsA
ABCA17P	0.00872431	1.07881 Up-regulated in PsA
DOCK9-AS2	0.008757	1.46846 Up-regulated in PsA
AF240627.2	0.00876563	1.29193 Up-regulated in PsA
C18orf54	0.00879043	0.556558 Down-regulated in PsA
PDK4	0.0087989	0.73095 Down-regulated in PsA
LYPD5	0.0088082	0.869058 Down-regulated in PsA
DDX53	0.00884087	1.1882 Up-regulated in PsA
CTC-340I23.2	0.00884451	0.84293 Down-regulated in PsA
AC145343.2	0.0088662	1.44383 Up-regulated in PsA
MECOM	0.00889583	0.74019 Down-regulated in PsA
ST20	0.00890773	0.971548 Down-regulated in PsA
SMIM10	0.00891778	1.36499 Up-regulated in PsA
CTD-2616J11.15	0.00892559	1.08837 Up-regulated in PsA
OR8D1	0.00894648	1.19634 Up-regulated in PsA
RP11-282K24.3	0.0089578	0.753175 Down-regulated in PsA
SMIM23	0.0089814	0.84615 Down-regulated in PsA

FAR1P1	0.00898805	0.72127 Down-regulated in PsA
LGI3	0.00899095	0.786929 Down-regulated in PsA
SNORD113-8	0.00900266	1.29444 Up-regulated in PsA
DLX6-AS1	0.00901969	0.819304 Down-regulated in PsA
SLC6A12	0.00903048	0.731641 Down-regulated in PsA
RP11-83M16.1	0.00903319	1.2172 Up-regulated in PsA
TMEM208	0.00903917	1.09598 Up-regulated in PsA
HMGB3P7	0.00905887	0.91116 Down-regulated in PsA
C10orf71	0.00907341	0.742987 Down-regulated in PsA
RP11-295P22.3	0.00908761	0.687144 Down-regulated in PsA
ZNF496	0.00911131	1.22176 Up-regulated in PsA
RN7SL828P	0.00913245	1.19489 Up-regulated in PsA
AC005752.10	0.00915632	1.26237 Up-regulated in PsA
MIR2681	0.00920157	1.21229 Up-regulated in PsA
RP11-16E18.1	0.00922775	0.88877 Down-regulated in PsA
IGFBP7-AS1	0.00922918	1.28132 Up-regulated in PsA
SMAD1-AS1	0.00924457	0.976898 Down-regulated in PsA
Metazoa_SRP	0.00925345	0.871311 Down-regulated in PsA
KIF15	0.00926003	0.87695 Down-regulated in PsA
RP11-16C1.1	0.00926756	1.47627 Up-regulated in PsA
ACIN1	0.00927566	0.77516 Down-regulated in PsA
AC006296.2	0.00929904	1.19304 Up-regulated in PsA
GLYATL2	0.00935543	0.781997 Down-regulated in PsA
HNRNPDL3	0.00935725	1.32717 Up-regulated in PsA
MIR3646	0.00937937	1.33406 Up-regulated in PsA

AP001046.6	0.00939043	1.33851 Up-regulated in PsA
C22orf24	0.00939417	0.676629 Down-regulated in PsA
SLC25A6P6	0.00939544	0.78383 Down-regulated in PsA
FAM150B	0.00941495	0.739387 Down-regulated in PsA
TSR3	0.00943432	0.902891 Down-regulated in PsA
STK39	0.00943745	0.594441 Down-regulated in PsA
CTC-281M20.4	0.009438	1.17609 Up-regulated in PsA
RP11-43P8.2	0.00947182	0.881286 Down-regulated in PsA
AC092421.1	0.00949169	1.68645 Up-regulated in PsA
RP4-745E8.2	0.00951487	1.48782 Up-regulated in PsA
NHLH2	0.00953972	0.757468 Down-regulated in PsA
RP11-568G11.5	0.00954288	0.857045 Down-regulated in PsA
RP1-34L19.1	0.00954594	1.30378 Up-regulated in PsA
AE000658.31	0.00957309	0.82308 Down-regulated in PsA
HAUS7	0.00958654	0.824989 Down-regulated in PsA
PRKAG3	0.00960968	0.890706 Down-regulated in PsA
RP11-114G22.1	0.00961663	1.22614 Up-regulated in PsA
CTD-2538A21.1	0.0096271	0.79452 Down-regulated in PsA
RP11-629F19.1	0.00962845	0.786488 Down-regulated in PsA
LINC01033	0.00965541	0.794782 Down-regulated in PsA
CTD-2090I13.1	0.00965686	1.6754 Up-regulated in PsA
IGSF11-AS1	0.00965974	0.642819 Down-regulated in PsA
RP11-311H10.7	0.00966359	1.20454 Up-regulated in PsA
NR2F2	0.00966819	1.22716 Up-regulated in PsA
NUDCD1	0.00968296	0.595954 Down-regulated in PsA

RNF216	0.00971042	0.923692 Down-regulated in PsA
SPANXN4	0.00973959	1.07312 Up-regulated in PsA
LOC101927811	0.00975689	1.5596 Up-regulated in PsA
TTC23L	0.00977304	1.25988 Up-regulated in PsA
CCDC17	0.0097979	1.15367 Up-regulated in PsA
LOC100144595	0.00980863	0.862234 Down-regulated in PsA
MTHFD2	0.00981298	0.861188 Down-regulated in PsA
PRR21	0.0098216	1.15407 Up-regulated in PsA
MIR3976HG	0.00982674	1.13995 Up-regulated in PsA
FLI1	0.00984317	0.858482 Down-regulated in PsA
PKMP1	0.00984694	0.871688 Down-regulated in PsA
RP11-11C20.3	0.00989917	0.895632 Down-regulated in PsA
RP11-98G13.1	0.00995922	0.790235 Down-regulated in PsA
Y_RNA	0.00997178	0.83594 Down-regulated in PsA
RP11-995C19.2	0.00997399	0.876103 Down-regulated in PsA
AMIGO2	0.0100595	0.788473 Down-regulated in PsA
VCX2	0.0100732	1.11516 Up-regulated in PsA
RP11-702C7.1	0.0100806	1.30284 Up-regulated in PsA
RP11-411A19.5	0.0100923	1.67013 Up-regulated in PsA
SNX27	0.0100982	0.845899 Down-regulated in PsA
RP11-312J18.3	0.0101408	0.915577 Down-regulated in PsA
AC109309.4	0.0101569	0.874609 Down-regulated in PsA
HLA-DQB2	0.0101603	1.18119 Up-regulated in PsA
SAP30L	0.010162	0.738738 Down-regulated in PsA
ACER2	0.0101696	1.28452 Up-regulated in PsA



RP11-638L3.4	0.0102109	1.11539 Up-regulated in PsA
MIR1269B	0.0102144	1.1584 Up-regulated in PsA
ASZ1	0.010224	0.832705 Down-regulated in PsA
MIR7-3	0.0102619	0.760302 Down-regulated in PsA
SRXN1	0.0103012	1.06558 Up-regulated in PsA
RP11-420H19.3	0.01035	0.861672 Down-regulated in PsA
WBSCR16	0.0103999	0.875353 Down-regulated in PsA
DOCK7	0.0104919	0.495701 Down-regulated in PsA
RP11-193M21.1	0.0105124	1.05015 Up-regulated in PsA
MIR8063	0.0105201	1.40823 Up-regulated in PsA
NXT1	0.0105532	1.31902 Up-regulated in PsA
LINC01082	0.0105535	0.80162 Down-regulated in PsA
TRIP12	0.0105685	0.77102 Down-regulated in PsA
RUFY1	0.0105781	0.72674 Down-regulated in PsA
RP11-554D14.7	0.0105925	1.51588 Up-regulated in PsA
UTP14A	0.0106136	0.743574 Down-regulated in PsA
LINC01476	0.0106226	0.796715 Down-regulated in PsA
FKRP	0.0106493	1.23999 Up-regulated in PsA
CDK5RAP3	0.0106616	0.824084 Down-regulated in PsA
RNY1P8	0.0106707	1.39006 Up-regulated in PsA
RP11-927P21.2	0.0106773	1.64683 Up-regulated in PsA
RP11-267M23.7	0.0107055	1.2848 Up-regulated in PsA
CCNJL	0.0107332	1.10393 Up-regulated in PsA
SLC52A2	0.0107502	0.885048 Down-regulated in PsA
CTSD	0.0107855	0.919197 Down-regulated in PsA

PDLIM3	0.0108171	0.888745 Down-regulated in PsA
ITIH2	0.0108217	1.47037 Up-regulated in PsA
ELP6	0.0108403	0.610795 Down-regulated in PsA
RP11-529P9.1	0.0108737	1.43873 Up-regulated in PsA
RP11-257O5.2	0.0108916	0.725269 Down-regulated in PsA
CGN	0.0109701	0.795923 Down-regulated in PsA
C1orf54	0.0109784	0.68481 Down-regulated in PsA
CCDC149	0.0109908	0.813711 Down-regulated in PsA
AREL1	0.0109961	0.919822 Down-regulated in PsA
RP11-711M9.2	0.0110471	1.09394 Up-regulated in PsA
RIMKLB2	0.0110744	0.938779 Down-regulated in PsA
PRR25	0.0111175	0.924818 Down-regulated in PsA
RN7SL262P	0.0111226	1.06217 Up-regulated in PsA
NME1P1	0.0111288	1.18641 Up-regulated in PsA
RPP40	0.0111359	0.700754 Down-regulated in PsA
RP11-239C9.1	0.0111379	0.844854 Down-regulated in PsA
KCNMA1-AS1	0.0111821	1.26179 Up-regulated in PsA
RP11-424N24.2	0.0112187	1.2649 Up-regulated in PsA
RP11-34P13.7	0.0112405	0.778477 Down-regulated in PsA
NMRK1	0.0112448	0.569071 Down-regulated in PsA
CHMP5	0.0112546	0.765145 Down-regulated in PsA
LOC101927394	0.0112672	1.39075 Up-regulated in PsA
SYT2	0.0112764	0.8176 Down-regulated in PsA
PIP4K2A	0.0112977	0.778446 Down-regulated in PsA
ATP6V1H	0.0113081	0.730852 Down-regulated in PsA

RP4-673D20.6	0.0113349	0.536008 Down-regulated in PsA
C16orf86	0.0113438	1.08971 Up-regulated in PsA
SNX10	0.011368	0.828148 Down-regulated in PsA
LAPTM4BP2	0.0113686	0.793956 Down-regulated in PsA
ERP44	0.0113704	0.865122 Down-regulated in PsA
RP11-794P6.6	0.0113744	0.784718 Down-regulated in PsA
RP11-302K17.4	0.0113753	0.95065 Down-regulated in PsA
RP11-417J1.5	0.011394	1.40301 Up-regulated in PsA
RP11-151H2.1	0.0114207	1.31578 Up-regulated in PsA
RP11-323J4.1	0.011445	1.11927 Up-regulated in PsA
IFNWP2	0.0114519	0.687017 Down-regulated in PsA
LINC01122	0.0114828	1.22302 Up-regulated in PsA
AC004945.1	0.0114928	0.827606 Down-regulated in PsA
WDFY3-AS1	0.011532	0.84985 Down-regulated in PsA
SORD2P	0.0115894	0.760022 Down-regulated in PsA
RP11-294J22.5	0.011626	0.936774 Down-regulated in PsA
RP11-298D21.3	0.0116517	1.40166 Up-regulated in PsA
CCNYL2	0.0116539	1.33503 Up-regulated in PsA
CHORDC1	0.0116703	0.642811 Down-regulated in PsA
SIAH1	0.0117034	1.11325 Up-regulated in PsA
CASC17	0.0117276	1.2345 Up-regulated in PsA
AC068580.5	0.0117303	1.1352 Up-regulated in PsA
OR10T2	0.0117352	0.815462 Down-regulated in PsA
RP11-533K11.1	0.0117732	0.882726 Down-regulated in PsA
RP4-583P15.10	0.0117764	0.858618 Down-regulated in PsA

RP11-358B23.1	0.0118105	1.21078 Up-regulated in PsA
UBA6-AS1	0.0118136	0.842007 Down-regulated in PsA
LOC101928896	0.0118297	1.11949 Up-regulated in PsA
MTND6P12	0.011833	1.32419 Up-regulated in PsA
RP11-539I5.1	0.0118972	1.14016 Up-regulated in PsA
GHR	0.0119682	0.85937 Down-regulated in PsA
CHRD1	0.0119719	0.577259 Down-regulated in PsA
SURF4	0.0119725	0.832016 Down-regulated in PsA
AIPL1	0.0119901	0.760607 Down-regulated in PsA
TGDS	0.012012	0.580223 Down-regulated in PsA
CANX	0.012033	0.927668 Down-regulated in PsA
RN7SL221P	0.0120558	1.22277 Up-regulated in PsA
VN1R36P	0.0120986	0.893242 Down-regulated in PsA
ELL2P2	0.0121377	1.23209 Up-regulated in PsA
RP4-797C5.2	0.0121406	1.48382 Up-regulated in PsA
RP11-659P15.1	0.0121608	1.25358 Up-regulated in PsA
DNAJC19P6	0.0121766	0.716618 Down-regulated in PsA
RP11-322L17.1	0.0121815	1.07536 Up-regulated in PsA
MEIKIN	0.0121817	0.579636 Down-regulated in PsA
MIR499A	0.012218	1.11459 Up-regulated in PsA
PRRG1	0.0122315	0.676605 Down-regulated in PsA
SERBP1P4	0.0122457	1.32829 Up-regulated in PsA
SNORD8	0.0122791	1.13509 Up-regulated in PsA
RP11-347H15.2	0.0123047	0.676524 Down-regulated in PsA
ZAR1L	0.0123119	1.08784 Up-regulated in PsA

MYL6BP1	0.0123158	0.822375 Down-regulated in PsA
GDF7	0.012339	0.788093 Down-regulated in PsA
RP11-351M8.2	0.0123396	1.26322 Up-regulated in PsA
GBAT2	0.0123479	1.34782 Up-regulated in PsA
PCNA-AS1	0.0123647	0.769849 Down-regulated in PsA
CLEC2D	0.0123736	0.873309 Down-regulated in PsA
RP11-416A14.1	0.0123784	0.692192 Down-regulated in PsA
AC005822.1	0.0123923	0.826062 Down-regulated in PsA
RP11-361M10.4	0.0123975	0.846087 Down-regulated in PsA
ASCL5	0.0123993	1.27308 Up-regulated in PsA
RP11-95L3.2	0.0124005	1.24258 Up-regulated in PsA
Y_RNA	0.0124189	0.937966 Down-regulated in PsA
PCNAP3	0.0124359	0.688647 Down-regulated in PsA
CTC-525D6.2	0.0124367	1.34938 Up-regulated in PsA
PRDM15	0.0124423	0.841196 Down-regulated in PsA
DDAH1	0.0124825	0.753633 Down-regulated in PsA
RP11-321E2.7	0.0124918	1.33435 Up-regulated in PsA
DNAI1	0.0124926	1.16604 Up-regulated in PsA
LSAMP-AS1	0.0124938	1.0681 Up-regulated in PsA
FHAD1	0.0124941	0.771479 Down-regulated in PsA
PPFIA1	0.0125023	0.698509 Down-regulated in PsA
RN7SKP12	0.0125559	0.769873 Down-regulated in PsA
CTC-422A18.2	0.0125915	1.2107 Up-regulated in PsA
SNTG1	0.0125916	0.683986 Down-regulated in PsA
AC208162.1	0.0126081	1.16145 Up-regulated in PsA

MORF4L1P7	0.0126197	0.793712 Down-regulated in PsA
BST1	0.0126214	0.783351 Down-regulated in PsA
SUSD1	0.0126243	0.719639 Down-regulated in PsA
RP11-400N13.3	0.0126294	0.874071 Down-regulated in PsA
CTD-2128A3.2	0.0126394	1.83614 Up-regulated in PsA
RP11-1084A12.2	0.0126513	0.80328 Down-regulated in PsA
IFIH1	0.0126615	0.717218 Down-regulated in PsA
MAMDC4	0.0126621	0.806503 Down-regulated in PsA
TAF6L	0.0127	1.08999 Up-regulated in PsA
ENOX1-AS2	0.0127124	1.30147 Up-regulated in PsA
GS1-124K5.9	0.01273	1.26836 Up-regulated in PsA
DMTN	0.0127477	1.05981 Up-regulated in PsA
RN7SL52P	0.0127489	1.48746 Up-regulated in PsA
RPL21P38	0.0127501	1.16386 Up-regulated in PsA
KNTC1	0.0127569	0.75763 Down-regulated in PsA
RP11-452C13.1	0.0127638	0.76602 Down-regulated in PsA
LOC100996583	0.012797	1.61248 Up-regulated in PsA
CTD-2184C24.2	0.0128007	0.605893 Down-regulated in PsA
PLCG2	0.0128606	0.803241 Down-regulated in PsA
OR2T8	0.012905	1.37211 Up-regulated in PsA
RGS5	0.0129053	0.622202 Down-regulated in PsA
AC007386.4	0.0129282	0.463875 Down-regulated in PsA
ADAMTS13	0.0129284	0.807631 Down-regulated in PsA
TMEM204	0.0129308	1.19281 Up-regulated in PsA
CTBP2P6	0.0129352	0.949251 Down-regulated in PsA

LOC284395	0.0129574	1.42025 Up-regulated in PsA
RABEPK	0.0129635	0.920463 Down-regulated in PsA
RALGAPB	0.0130014	0.765285 Down-regulated in PsA
RP11-797E24.1	0.0130467	0.808183 Down-regulated in PsA
DR1	0.0130508	0.788779 Down-regulated in PsA
TXNDC12	0.0130822	0.821215 Down-regulated in PsA
RP11-148O21.6	0.0131007	1.44312 Up-regulated in PsA
SSTR1	0.0131062	1.22458 Up-regulated in PsA
TCP1P1	0.0131079	0.87618 Down-regulated in PsA
LINC01349	0.0131169	0.809369 Down-regulated in PsA
RP11-478B11.2	0.01312	0.691119 Down-regulated in PsA
RP3-333H23.9	0.0131413	0.902614 Down-regulated in PsA
FAM84B	0.0131416	0.785875 Down-regulated in PsA
LINC01479	0.0131421	1.46249 Up-regulated in PsA
CHCHD4P5	0.0131917	1.29088 Up-regulated in PsA
LOC101929058	0.013221	1.1447 Up-regulated in PsA
HIST2H2AB	0.013225	1.20024 Up-regulated in PsA
AC012462.3	0.0132342	1.32378 Up-regulated in PsA
SGOL1P1	0.0132687	1.31422 Up-regulated in PsA
SLFN5	0.0132981	0.611826 Down-regulated in PsA
RP11-279F6.2	0.0132991	1.39376 Up-regulated in PsA
INMT	0.0133092	0.906965 Down-regulated in PsA
LOC399715	0.0133405	1.135 Up-regulated in PsA
RP11-329B9.4	0.0133424	0.913492 Down-regulated in PsA
RP11-26L20.3	0.0133723	1.57032 Up-regulated in PsA

GS1-309P15.3	0.0133919	0.801215 Down-regulated in PsA
RN7SKP98	0.0134027	1.26204 Up-regulated in PsA
RP11-211N8.6	0.0134209	1.29277 Up-regulated in PsA
AC004066.3	0.0134472	1.24735 Up-regulated in PsA
SMUG1P1	0.0134596	0.812584 Down-regulated in PsA
CYCSP20	0.013572	1.12658 Up-regulated in PsA
RP11-1299A16.3	0.0135811	1.43898 Up-regulated in PsA
DNMBP-AS1	0.0136088	1.80334 Up-regulated in PsA
LOC100507642	0.0136834	0.595464 Down-regulated in PsA
SAG	0.0136855	0.750934 Down-regulated in PsA
HECTD2	0.0136997	0.712233 Down-regulated in PsA
RP11-108K3.4	0.0137251	1.39604 Up-regulated in PsA
NOTCH4	0.0137554	0.734452 Down-regulated in PsA
PLK1	0.0137783	1.26801 Up-regulated in PsA
AC074338.5	0.0138043	1.20361 Up-regulated in PsA
RN7SKP212	0.0138087	1.762 Up-regulated in PsA
CARNS1	0.0138136	1.2853 Up-regulated in PsA
Y_RNA	0.0138344	1.27806 Up-regulated in PsA
TAF12	0.0138451	0.677301 Down-regulated in PsA
VPS39	0.0138483	0.91078 Down-regulated in PsA
ARL11	0.01385	0.616554 Down-regulated in PsA
PALB2	0.0138556	0.814836 Down-regulated in PsA
GOT2	0.0138856	0.909648 Down-regulated in PsA
LINC01481	0.0139039	1.21551 Up-regulated in PsA
RP1-206D15.5	0.0139278	1.18233 Up-regulated in PsA



AL109767.1	0.013937	1.46454 Up-regulated in PsA
Y_RNA	0.0140061	0.850631 Down-regulated in PsA
FAM210A	0.0140126	0.855966 Down-regulated in PsA
AKAP3	0.0140201	1.35459 Up-regulated in PsA
GSTA7P	0.0140252	1.30586 Up-regulated in PsA
PQLC2L	0.0140567	0.552147 Down-regulated in PsA
GYG1	0.0140657	0.868128 Down-regulated in PsA
AC064834.1	0.0140684	0.862114 Down-regulated in PsA
TBC1D3B	0.0140692	0.846446 Down-regulated in PsA
FENDRR	0.0140734	0.886847 Down-regulated in PsA
AC007272.3	0.0140739	0.814527 Down-regulated in PsA
RP11-81A1.4	0.0140793	0.71674 Down-regulated in PsA
IFITM8P	0.0140798	1.41827 Up-regulated in PsA
SLIRP	0.0141255	0.920526 Down-regulated in PsA
SPEN	0.0141432	0.889605 Down-regulated in PsA
CETN3	0.0141563	0.703829 Down-regulated in PsA
USP17L19	0.0141666	0.672169 Down-regulated in PsA
ZNF793	0.0141764	0.869854 Down-regulated in PsA
RPL23AP39	0.0142154	1.11581 Up-regulated in PsA
LETM1P2	0.0142526	1.19443 Up-regulated in PsA
FAM3D	0.0142652	0.869692 Down-regulated in PsA
RP11-177G23.2	0.0143076	0.928587 Down-regulated in PsA
NPC2	0.0143444	0.900601 Down-regulated in PsA
OR8S1	0.0143587	0.614034 Down-regulated in PsA
PRKX	0.0143914	0.726588 Down-regulated in PsA

MIR34A	0.0144172	1.19853 Up-regulated in PsA
RP11-241N4.2	0.0144327	1.13512 Up-regulated in PsA
DBF4B	0.0144455	0.745283 Down-regulated in PsA
RP11-419M24.1	0.0144679	1.40696 Up-regulated in PsA
RN7SKP242	0.0145111	1.28875 Up-regulated in PsA
EEF1DP4	0.0145139	1.31112 Up-regulated in PsA
RP11-248E9.6	0.014525	0.857665 Down-regulated in PsA
ZNF321P	0.0145504	1.02478 Up-regulated in PsA
SRPX	0.0146319	2.07591 Up-regulated in PsA
NOL10	0.0146454	0.804888 Down-regulated in PsA
DDX11-AS1	0.0146473	1.40578 Up-regulated in PsA
PCNPP5	0.0146635	1.39557 Up-regulated in PsA
RP11-107E5.3	0.0146717	0.704683 Down-regulated in PsA
RP11-388M20.2	0.0146854	1.17126 Up-regulated in PsA
RP11-169K16.4	0.0146942	0.930529 Down-regulated in PsA
ST6GALNAC4	0.0146973	1.26136 Up-regulated in PsA
RP11-517O13.3	0.0147115	0.81887 Down-regulated in PsA
RP11-689C9.1	0.0147191	0.877453 Down-regulated in PsA
WDR89	0.0147225	0.576633 Down-regulated in PsA
RP11-747H12.4	0.0147386	1.13448 Up-regulated in PsA
RP11-439A17.10	0.014747	0.631861 Down-regulated in PsA
RP11-368I23.3	0.0147575	0.849415 Down-regulated in PsA
MIR6735	0.014766	0.812285 Down-regulated in PsA
WIPF1	0.0147742	1.0489 Up-regulated in PsA
CRAT	0.0147775	1.07158 Up-regulated in PsA

MIR3162	0.014788	1.28211 Up-regulated in PsA
PRTN3	0.0148911	1.06257 Up-regulated in PsA
AC114755.3	0.0148973	0.925168 Down-regulated in PsA
UXT	0.0149073	1.1758 Up-regulated in PsA
NPTN	0.0149548	0.811273 Down-regulated in PsA
FRRS1	0.0149608	0.493081 Down-regulated in PsA
RP11-205K6.1	0.0149717	1.79124 Up-regulated in PsA
RQCD1	0.0149787	0.797466 Down-regulated in PsA
RN7SL359P	0.0150116	1.21893 Up-regulated in PsA
PRRC2C	0.0150244	0.929762 Down-regulated in PsA
RP11-23E19.2	0.0150719	0.68832 Down-regulated in PsA
ANKRD13C	0.0151438	0.702322 Down-regulated in PsA
MIR2052HG	0.0151583	1.12114 Up-regulated in PsA
NDUFAF2	0.0151935	0.83039 Down-regulated in PsA
CKS2	0.0152003	0.601748 Down-regulated in PsA
LINC01237	0.0152204	1.32609 Up-regulated in PsA
SORT1	0.0152412	0.726037 Down-regulated in PsA
RP11-51L5.5	0.0152429	0.810048 Down-regulated in PsA
RP11-543P15.1	0.0152473	1.10662 Up-regulated in PsA
RPS4XP14	0.0152681	1.32847 Up-regulated in PsA
RP1-290I10.2	0.0152735	0.678444 Down-regulated in PsA
LOC101928887	0.015307	1.1672 Up-regulated in PsA
OR5B17	0.0153341	0.570812 Down-regulated in PsA
RP11-304C12.4	0.0153373	1.10864 Up-regulated in PsA
RP11-117L5.4	0.0153661	0.786289 Down-regulated in PsA

MORC1-AS1	0.015388	0.862121 Down-regulated in PsA
LOC101927472	0.0153909	1.17037 Up-regulated in PsA
NCOA5	0.0153951	0.7564 Down-regulated in PsA
DYRK1B	0.0154253	0.879671 Down-regulated in PsA
ASCL3	0.0154339	0.932192 Down-regulated in PsA
AZGP1P1	0.0154496	0.800049 Down-regulated in PsA
ATP2C1	0.0154506	0.792584 Down-regulated in PsA
ZNF402P	0.0154691	0.736615 Down-regulated in PsA
MIR3139	0.0154718	1.4666 Up-regulated in PsA
TMPRSS11E	0.015505	1.3221 Up-regulated in PsA
LINC01422	0.0155177	0.847663 Down-regulated in PsA
RN7SL304P	0.0155535	1.16452 Up-regulated in PsA
MIR6819	0.0156085	1.29344 Up-regulated in PsA
TRIM67	0.0156208	0.727064 Down-regulated in PsA
7SK	0.0156331	0.87231 Down-regulated in PsA
AC092675.4	0.0156414	1.30307 Up-regulated in PsA
CASP10	0.0156491	0.815481 Down-regulated in PsA
RN7SL152P	0.0156531	1.20342 Up-regulated in PsA
RP11-643G5.1	0.0156675	1.26995 Up-regulated in PsA
RP11-426D19.1	0.0156911	0.639017 Down-regulated in PsA
HNRNPA3P9	0.0157094	1.21763 Up-regulated in PsA
FAM122A	0.0157219	0.814201 Down-regulated in PsA
LINC00240	0.0157355	0.823104 Down-regulated in PsA
FTH1P22	0.0157419	1.24518 Up-regulated in PsA
CHRFAM7A	0.0157641	0.634929 Down-regulated in PsA

KRT18P45	0.0157897	0.874473 Down-regulated in PsA
CNOT6	0.0157985	0.815923 Down-regulated in PsA
HDLBP	0.0158077	0.948886 Down-regulated in PsA
RP11-365O16.1	0.0158108	0.799706 Down-regulated in PsA
LOC102724917	0.0158191	1.34654 Up-regulated in PsA
AC074011.2	0.0158352	1.16583 Up-regulated in PsA
QPCT	0.0158693	0.874962 Down-regulated in PsA
RP11-446P9.1	0.0158698	0.635271 Down-regulated in PsA
RTN4RL2	0.0158878	0.864707 Down-regulated in PsA
RN7SL702P	0.0158934	0.714191 Down-regulated in PsA
SYNPO2L	0.0159069	1.1975 Up-regulated in PsA
SYNPR	0.0159295	0.803779 Down-regulated in PsA
MNAT1	0.0159597	0.704699 Down-regulated in PsA
CFAP99	0.0160137	0.808303 Down-regulated in PsA
RP11-325D15.2	0.0160295	1.47712 Up-regulated in PsA
SPRY4-IT1_1	0.0160308	0.671902 Down-regulated in PsA
HMMR-AS1	0.0160555	1.26259 Up-regulated in PsA
UQCRFS1P2	0.0160896	1.2016 Up-regulated in PsA
ICE2P1	0.0160952	0.788607 Down-regulated in PsA
SYT11	0.0161541	0.851486 Down-regulated in PsA
NUP58	0.0161667	0.781885 Down-regulated in PsA
AC009237.11	0.0161854	1.33131 Up-regulated in PsA
PPP2R2D	0.0162044	0.793093 Down-regulated in PsA
LINC00106	0.0162304	0.820251 Down-regulated in PsA
RP11-163O19.11	0.0162664	1.29452 Up-regulated in PsA

OR10H2	0.0162735	1.23855 Up-regulated in PsA
AP000892.6	0.0162883	0.826161 Down-regulated in PsA
HIST1H4J	0.0162991	0.871403 Down-regulated in PsA
OR2K2	0.0163144	0.736422 Down-regulated in PsA
RIIAD1	0.0163187	0.758072 Down-regulated in PsA
FANCD2OS	0.0163447	0.721836 Down-regulated in PsA
RP11-285B24.1	0.0164063	0.854916 Down-regulated in PsA
RAB11FIP5	0.0164556	0.725301 Down-regulated in PsA
RP1-302D9.2	0.0164674	1.28524 Up-regulated in PsA
RP1-149M18.4	0.0164677	1.1249 Up-regulated in PsA
AC138472.4	0.0164829	1.06412 Up-regulated in PsA
CHMP1B2P	0.0165964	1.22752 Up-regulated in PsA
RP11-196H14.3	0.0166226	1.19604 Up-regulated in PsA
CTD-2057J6.1	0.0166563	1.27676 Up-regulated in PsA
IPO11	0.0167654	0.787619 Down-regulated in PsA
ANKRD33B-AS1	0.0167756	0.681028 Down-regulated in PsA
GTF2F2	0.0167846	0.841199 Down-regulated in PsA
GZMK	0.0167895	2.72679 Up-regulated in PsA
FAM133DP	0.0167944	0.929857 Down-regulated in PsA
RP11-805L22.3	0.0168039	1.28031 Up-regulated in PsA
RARRES2P8	0.0168192	1.29742 Up-regulated in PsA
KLHL2P1	0.0168442	0.895179 Down-regulated in PsA
RP11-71H17.1	0.0168457	1.6249 Up-regulated in PsA
SLC2A13	0.0168476	0.74903 Down-regulated in PsA
RP4-751H13.5	0.0168592	1.19051 Up-regulated in PsA

RP13-192B19.2	0.0168735	1.18166 Up-regulated in PsA
LOC389247	0.0168821	1.12359 Up-regulated in PsA
RAD23B	0.0168981	0.907729 Down-regulated in PsA
CTD-3006G17.2	0.0169246	1.10248 Up-regulated in PsA
WASF2	0.0169533	1.0723 Up-regulated in PsA
SYCN	0.016986	1.35747 Up-regulated in PsA
DEPDC7	0.0169989	0.643557 Down-regulated in PsA
CTB-26E19.1	0.017095	1.31458 Up-regulated in PsA
RP11-687D19.1	0.0171075	0.927511 Down-regulated in PsA
MFSD14C	0.0171172	0.703848 Down-regulated in PsA
CHMP7	0.0171405	0.743544 Down-regulated in PsA
ACAA1	0.0171557	0.927201 Down-regulated in PsA
USP39	0.0171663	0.901638 Down-regulated in PsA
CCDC114	0.0172412	1.18658 Up-regulated in PsA
DMP1	0.0172565	0.867076 Down-regulated in PsA
RP11-250H24.7	0.0172716	1.45391 Up-regulated in PsA
RP11-795A2.2	0.0172864	1.2763 Up-regulated in PsA
ATP6V1E1	0.0172877	0.727702 Down-regulated in PsA
RP11-465L10.10	0.0172893	1.39402 Up-regulated in PsA
RP11-20D14.6	0.0173159	0.695902 Down-regulated in PsA
COL18A1-AS2	0.0173424	1.16075 Up-regulated in PsA
Metazoa_SRP	0.0173503	0.888684 Down-regulated in PsA
RP11-48O20.5	0.0173504	1.58567 Up-regulated in PsA
ELAVL1	0.0173678	0.894152 Down-regulated in PsA
PRM3	0.0173752	0.858603 Down-regulated in PsA

WWC2-AS1	0.017384	1.30938 Up-regulated in PsA
MYBBP1A	0.0173848	0.868042 Down-regulated in PsA
PLEKHB2	0.0173971	0.861432 Down-regulated in PsA
AC114730.7	0.0174025	1.15484 Up-regulated in PsA
PF4	0.0174538	2.02182 Up-regulated in PsA
RP11-770E5.2	0.0174545	1.35742 Up-regulated in PsA
FAM160A2	0.0174657	0.915063 Down-regulated in PsA
NUP50-AS1	0.0174905	0.750337 Down-regulated in PsA
DIMT1	0.0175513	0.754307 Down-regulated in PsA
RP11-729M20.1	0.0175964	0.89866 Down-regulated in PsA
MAK16	0.0176028	0.855824 Down-regulated in PsA
RP11-10J21.2	0.0176541	1.19296 Up-regulated in PsA
RP11-983C2.3	0.0176565	0.727904 Down-regulated in PsA
TCEB1P35	0.0176803	0.784056 Down-regulated in PsA
RP11-136O12.2	0.0176949	1.33008 Up-regulated in PsA
RP11-54I5.1	0.0177273	0.551702 Down-regulated in PsA
SH2D4B	0.0177321	1.16083 Up-regulated in PsA
AC020743.4	0.0177476	1.31179 Up-regulated in PsA
PGM3	0.0177549	0.589768 Down-regulated in PsA
SLCO4A1	0.0177623	0.855806 Down-regulated in PsA
ATXN3	0.0177625	0.768441 Down-regulated in PsA
RP11-333J10.2	0.0177856	0.861757 Down-regulated in PsA
RP11-318K15.2	0.0177879	0.718097 Down-regulated in PsA
SNORA14B	0.017797	1.32004 Up-regulated in PsA
YWHAH	0.0178351	0.7419 Down-regulated in PsA



AC006960.7	0.0178386	1.30169 Up-regulated in PsA
RP11-337N6.2	0.0178611	1.28715 Up-regulated in PsA
SLA2	0.017866	1.37493 Up-regulated in PsA
SMIM12	0.0178747	0.847768 Down-regulated in PsA
SLC15A2	0.0179188	0.669679 Down-regulated in PsA
RNU6-835P	0.0179522	1.28381 Up-regulated in PsA
MRPL20	0.0180122	0.894509 Down-regulated in PsA
CREB3L1	0.0180551	0.792143 Down-regulated in PsA
PDCD11	0.0180595	0.682719 Down-regulated in PsA
ZNF624	0.018065	0.607614 Down-regulated in PsA
GAP43	0.0180888	1.45852 Up-regulated in PsA
RP11-75L1.1	0.0181117	1.4078 Up-regulated in PsA
NOTCH2	0.0181676	0.908545 Down-regulated in PsA
CTAGE16P	0.0181679	0.750665 Down-regulated in PsA
WBP1LP6	0.0181728	0.71719 Down-regulated in PsA
ZC3H8	0.0181738	0.63811 Down-regulated in PsA
HMGN5	0.018217	0.817583 Down-regulated in PsA
ATM	0.0182896	0.84475 Down-regulated in PsA
MINPP1	0.0183039	0.666342 Down-regulated in PsA
SMIM14	0.0183531	0.690021 Down-regulated in PsA
RN7SKP278	0.0183662	1.49364 Up-regulated in PsA
GSG1	0.0183758	0.677412 Down-regulated in PsA
RP11-545G3.1	0.0184159	0.736202 Down-regulated in PsA
RP1-178F10.1	0.0184301	0.841511 Down-regulated in PsA
MLANA	0.0184312	0.676498 Down-regulated in PsA

EIF4EBP2P3	0.0184475	0.836286 Down-regulated in PsA
Metazoa_SRP	0.0184481	0.68337 Down-regulated in PsA
LOC441178	0.0184534	1.24807 Up-regulated in PsA
DBET	0.0185185	1.25487 Up-regulated in PsA
AMOT	0.0185199	0.835162 Down-regulated in PsA
LOC102724814	0.0185697	0.880819 Down-regulated in PsA
RP11-384J4.2	0.018583	1.30326 Up-regulated in PsA
RP11-290D2.5	0.0186073	0.745082 Down-regulated in PsA
ZC3H7A	0.0186083	1.06013 Up-regulated in PsA
KREMEN2	0.0186355	0.836913 Down-regulated in PsA
SSXP10	0.0186995	0.679593 Down-regulated in PsA
SNORD77	0.0187483	0.886156 Down-regulated in PsA
DCAF4L2	0.0187506	0.79433 Down-regulated in PsA
XKR3	0.0187511	0.881367 Down-regulated in PsA
AKR7A3	0.0187652	0.801105 Down-regulated in PsA
RP1-148H17.1	0.0187911	1.13723 Up-regulated in PsA
RP11-315E17.1	0.0187998	1.50431 Up-regulated in PsA
RP11-433O3.1	0.0188008	1.28259 Up-regulated in PsA
ATP6V1G1	0.0188028	0.897796 Down-regulated in PsA
VTRNA2-2P	0.0188032	0.672774 Down-regulated in PsA
TNFSF14	0.0188067	0.811751 Down-regulated in PsA
RP11-170L3.4	0.0188095	0.729645 Down-regulated in PsA
DKC1	0.0188189	0.781778 Down-regulated in PsA
CTD-2363C16.1	0.0188297	1.33977 Up-regulated in PsA
CTD-2366F13.2	0.0188743	1.62013 Up-regulated in PsA

RP11-53L24.1	0.0188747	1.09996 Up-regulated in PsA
TMEM237	0.0189005	1.17557 Up-regulated in PsA
CTD-2552B11.3	0.0189066	1.22946 Up-regulated in PsA
PTCH2	0.018955	0.92298 Down-regulated in PsA
SBF1	0.0189577	1.13332 Up-regulated in PsA
KCNJ2-AS1	0.0189608	0.579943 Down-regulated in PsA
MIR3926-2	0.0189731	0.744441 Down-regulated in PsA
ZNF705D	0.0189742	1.24469 Up-regulated in PsA
ZDHHC21	0.0189793	0.624503 Down-regulated in PsA
EPDR1	0.0189811	0.771774 Down-regulated in PsA
RP11-197B12.1	0.0190294	1.18076 Up-regulated in PsA
SIGLEC11	0.0190432	0.72625 Down-regulated in PsA
LOC100129973	0.0190662	1.62503 Up-regulated in PsA
SKIV2L	0.0190712	0.93047 Down-regulated in PsA
CHCHD2P1	0.0190833	0.798123 Down-regulated in PsA
NDUFC1	0.0190853	0.936891 Down-regulated in PsA
ACOX1	0.0190902	0.769621 Down-regulated in PsA
DYM	0.0190986	0.858114 Down-regulated in PsA
SMG1P7	0.0191065	0.781551 Down-regulated in PsA
LOC100506188	0.0191079	0.705351 Down-regulated in PsA
RP11-419I17.1	0.0191202	0.792948 Down-regulated in PsA
RP11-12A20.11	0.0191411	1.31495 Up-regulated in PsA
EBNA1BP2	0.0191974	0.859401 Down-regulated in PsA
MAP3K7CL	0.0192233	1.86997 Up-regulated in PsA
RP5-894D12.4	0.0192257	1.20491 Up-regulated in PsA

AC092162.1	0.0192417	0.899586 Down-regulated in PsA
TCEB1P13	0.0192768	0.704895 Down-regulated in PsA
RPL21P8	0.0192906	1.08356 Up-regulated in PsA
ADI1	0.019309	0.804776 Down-regulated in PsA
MIR7641-1	0.0193107	1.2913 Up-regulated in PsA
GKN2	0.019325	0.777372 Down-regulated in PsA
HPRT1P1	0.0193417	1.35989 Up-regulated in PsA
PDZPH1P	0.0193436	1.20543 Up-regulated in PsA
PIP4K2B	0.0193506	0.802716 Down-regulated in PsA
PCP4L1	0.0193545	0.863968 Down-regulated in PsA
TTI2	0.0193597	0.793068 Down-regulated in PsA
LOC728613	0.0193933	0.825965 Down-regulated in PsA
OR52N1	0.0194112	0.912864 Down-regulated in PsA
RP11-22N19.2	0.0194231	0.804914 Down-regulated in PsA
RAD17P1	0.0194419	0.889053 Down-regulated in PsA
NAA30	0.01947	0.7455 Down-regulated in PsA
TMLHE-AS1	0.0194882	1.3337 Up-regulated in PsA
KRT20	0.0194931	0.726887 Down-regulated in PsA
EXTL2P1	0.0195467	0.822914 Down-regulated in PsA
RP11-151N17.1	0.019549	1.11702 Up-regulated in PsA
RP11-219F10.1	0.0195606	0.751819 Down-regulated in PsA
BMP7	0.0195704	0.678616 Down-regulated in PsA
TACR3	0.0196665	0.485627 Down-regulated in PsA
PROC	0.0196768	0.906399 Down-regulated in PsA
TLX1	0.0196828	0.685978 Down-regulated in PsA

SPG20	0.0197527	0.725681 Down-regulated in PsA
NAPB	0.0197566	0.812473 Down-regulated in PsA
RP11-276M12.1	0.0197593	1.24014 Up-regulated in PsA
RP11-108E14.1	0.0197838	1.12497 Up-regulated in PsA
COL4A2	0.0197929	1.28739 Up-regulated in PsA
RP11-453N3.7	0.0197997	0.767813 Down-regulated in PsA
AC007277.3	0.019826	0.908734 Down-regulated in PsA
ASCC2	0.0198376	0.932375 Down-regulated in PsA
RP11-760D2.4	0.0198622	0.877175 Down-regulated in PsA
KB-318B8.7	0.0198623	1.46981 Up-regulated in PsA
GAS6-AS1	0.0199147	0.835311 Down-regulated in PsA
HAO1	0.019941	0.718023 Down-regulated in PsA
Y_RNA	0.0199474	1.15719 Up-regulated in PsA
CTD-2325M2.1	0.0199479	2.16951 Up-regulated in PsA
GLIS2	0.0199487	1.16523 Up-regulated in PsA
SETP8	0.0199528	0.565301 Down-regulated in PsA
PAN2	0.0199664	0.800124 Down-regulated in PsA
MIR3180-5	0.0200104	1.0966 Up-regulated in PsA
RP11-463I20.4	0.0200139	1.66578 Up-regulated in PsA
PRSS55	0.0200156	1.26807 Up-regulated in PsA
SEC24C	0.0200214	0.795202 Down-regulated in PsA
CCDC58	0.0200285	0.569073 Down-regulated in PsA
RP11-373F14.1	0.0200513	1.13001 Up-regulated in PsA
CTB-60B18.12	0.020078	1.14075 Up-regulated in PsA
EIF4ENIF1	0.02008	0.796216 Down-regulated in PsA

MOB3C	0.0200824	0.767912 Down-regulated in PsA
RP11-113O24.3	0.0200882	1.13123 Up-regulated in PsA
LSM14B	0.0201379	0.783253 Down-regulated in PsA
SLC26A6	0.0201564	0.824539 Down-regulated in PsA
ALOX5	0.0201575	0.924192 Down-regulated in PsA
RP11-856M7.4	0.0201602	1.39918 Up-regulated in PsA
ROCK1P1	0.0201752	0.713584 Down-regulated in PsA
LINC00511	0.0202645	1.18185 Up-regulated in PsA
AP2S1	0.0202828	0.948179 Down-regulated in PsA
LEAP2	0.0202912	0.799531 Down-regulated in PsA
RP5-944M2.4	0.0203293	1.04645 Up-regulated in PsA
LOC389831	0.020363	1.15309 Up-regulated in PsA
SIGLEC15	0.0204251	0.985713 Down-regulated in PsA
RASEF	0.0204311	1.23573 Up-regulated in PsA
HHAT	0.0204671	0.858157 Down-regulated in PsA
LOC440434	0.0204699	0.885982 Down-regulated in PsA
LOC101928358	0.0204821	0.942956 Down-regulated in PsA
RP4-641G12.4	0.0204876	0.666389 Down-regulated in PsA
VIPR1-AS1	0.0204957	0.876643 Down-regulated in PsA
UPF3B	0.0205169	0.708155 Down-regulated in PsA
LURAP1L-AS1	0.0205222	1.3086 Up-regulated in PsA
MTND5P4	0.0205361	1.30402 Up-regulated in PsA
RP11-21I4.2	0.0205449	0.792026 Down-regulated in PsA
RP11-30K9.7	0.0205575	1.48706 Up-regulated in PsA
AP4B1-AS1	0.0205621	0.477906 Down-regulated in PsA

Y_RNA	0.0205653	1.29596 Up-regulated in PsA
RNF43	0.0205718	0.904343 Down-regulated in PsA
RNU6-441P	0.0205732	0.847589 Down-regulated in PsA
MTATP6P16	0.0205893	0.860777 Down-regulated in PsA
CTD-3126B10.2	0.0206093	1.16678 Up-regulated in PsA
RAB9AP4	0.0206215	1.21603 Up-regulated in PsA
CYLC2	0.0206293	0.955061 Down-regulated in PsA
KIAA0100	0.0206293	0.952486 Down-regulated in PsA
RP11-582J16.4	0.0206305	1.25815 Up-regulated in PsA
AKAP13	0.0206352	0.780432 Down-regulated in PsA
BMP3	0.0206691	1.40898 Up-regulated in PsA
RP11-629N8.3	0.0206726	1.20225 Up-regulated in PsA
EEF1GP6	0.020719	1.08959 Up-regulated in PsA
MIR4451	0.0207287	0.784973 Down-regulated in PsA
HPN-AS1	0.0207293	1.04318 Up-regulated in PsA
SNX5P1	0.0207325	0.678436 Down-regulated in PsA
RP11-461L13.4	0.0207363	0.778197 Down-regulated in PsA
NACAP2	0.0207828	1.02954 Up-regulated in PsA
CTC-498M16.4	0.0208078	0.885884 Down-regulated in PsA
OR5AP2	0.0208125	0.74335 Down-regulated in PsA
TTL	0.0208263	0.907511 Down-regulated in PsA
RP11-162A12.3	0.0208296	1.18928 Up-regulated in PsA
UBR5	0.0208382	0.797174 Down-regulated in PsA
LOC101928162	0.0208713	1.24529 Up-regulated in PsA
TPMT	0.0208755	0.75415 Down-regulated in PsA

AD001527.7	0.0209436	1.03683 Up-regulated in PsA
EEF1A1P15	0.0209478	0.912038 Down-regulated in PsA
Y_RNA	0.0209553	0.800793 Down-regulated in PsA
ANKRD26P4	0.0210136	0.715536 Down-regulated in PsA
CNTN6	0.0210466	0.763279 Down-regulated in PsA
RP11-40H20.4	0.0210497	1.11023 Up-regulated in PsA
MIR518E	0.0210655	0.684677 Down-regulated in PsA
TRIM44	0.0210921	0.814904 Down-regulated in PsA
EIF2B5-AS1	0.0210987	1.28073 Up-regulated in PsA
FAP	0.021109	0.856127 Down-regulated in PsA
C2orf27AP1	0.0211348	0.865811 Down-regulated in PsA
RNA5SP350	0.0211469	1.11076 Up-regulated in PsA
CACNA1C-IT1	0.0211557	1.31874 Up-regulated in PsA
ANAPC4	0.021163	0.881069 Down-regulated in PsA
LOC105372672	0.0211727	1.20185 Up-regulated in PsA
AC005324.6	0.0211819	0.747 Down-regulated in PsA
MAB21L2	0.0212165	1.2236 Up-regulated in PsA
RP11-968A15.2	0.0212216	1.09478 Up-regulated in PsA
RP11-29H23.6	0.0212369	1.2414 Up-regulated in PsA
RP11-536C10.11	0.0212377	0.760156 Down-regulated in PsA
RP11-475A13.1	0.0212706	1.43155 Up-regulated in PsA
CLIC3	0.0212863	1.37773 Up-regulated in PsA
CACNA1C-IT2	0.0212989	1.58241 Up-regulated in PsA
ITSN2	0.021324	0.798066 Down-regulated in PsA
POLR1B	0.0213387	0.758308 Down-regulated in PsA



DNAJC6	0.0213538	1.42327 Up-regulated in PsA
CTC-215O4.4	0.0213553	1.32052 Up-regulated in PsA
ADAD1P2	0.0213637	1.32237 Up-regulated in PsA
DDX11L16	0.021373	1.86964 Up-regulated in PsA
DHX33	0.021403	0.679742 Down-regulated in PsA
MHRT	0.0214096	1.17842 Up-regulated in PsA
AC010468.1	0.0214117	1.19915 Up-regulated in PsA
OSBP	0.0214374	0.90746 Down-regulated in PsA
GAPVD1	0.0214599	0.80606 Down-regulated in PsA
GTF2IRD1	0.0214681	1.03935 Up-regulated in PsA
RP3-431P23.2	0.0215201	1.39468 Up-regulated in PsA
SFTPB	0.0215235	0.845953 Down-regulated in PsA
IQCK	0.0215345	1.43964 Up-regulated in PsA
SCARNA22	0.0215726	0.910386 Down-regulated in PsA
AC005498.4	0.0216293	0.802889 Down-regulated in PsA
IDH3A	0.021636	0.894865 Down-regulated in PsA
NEUROD1	0.0216371	0.888773 Down-regulated in PsA
RP11-100N21.1	0.0216694	1.01953 Up-regulated in PsA
TUBB4BP6	0.0216786	1.42421 Up-regulated in PsA
TMF1	0.0216836	0.784299 Down-regulated in PsA
LOC101927020	0.0216984	1.45186 Up-regulated in PsA
RGS4	0.0217185	1.36256 Up-regulated in PsA
RN7SL470P	0.0217291	1.04904 Up-regulated in PsA
RP11-124N3.3	0.0217423	1.14055 Up-regulated in PsA
CTSL	0.0217646	0.601047 Down-regulated in PsA

CTC-436P18.5	0.0217879	0.841057 Down-regulated in PsA
MAPK14	0.0218147	0.687047 Down-regulated in PsA
ANAPC5	0.0218168	0.898068 Down-regulated in PsA
MIPOL1	0.0218279	0.570345 Down-regulated in PsA
B3GALNT1P1	0.0218381	1.46657 Up-regulated in PsA
DNAH11	0.0218995	0.695589 Down-regulated in PsA
RP11-757H14.2	0.021905	0.854912 Down-regulated in PsA
SREK1IP1	0.0219057	0.757382 Down-regulated in PsA
PRAMEF10	0.0219102	0.8109 Down-regulated in PsA
GPR157	0.0219195	1.18183 Up-regulated in PsA
HP1BP3	0.0219291	0.882253 Down-regulated in PsA
C21orf59	0.0219322	0.843396 Down-regulated in PsA
VPS11	0.0219471	0.902523 Down-regulated in PsA
C10orf88	0.0219492	0.436408 Down-regulated in PsA
STX1B	0.0219819	1.73503 Up-regulated in PsA
LINC01372	0.0219885	0.587521 Down-regulated in PsA
RP4-785G19.2	0.0220049	1.1633 Up-regulated in PsA
ZMYM4	0.0220163	0.872016 Down-regulated in PsA
TAT	0.0220465	1.42251 Up-regulated in PsA
MIR558	0.0220739	0.772378 Down-regulated in PsA
RP13-616I3.1	0.022082	1.4256 Up-regulated in PsA
RND1	0.0221122	0.830445 Down-regulated in PsA
SNRNP35	0.0221555	0.866157 Down-regulated in PsA
RP11-546K22.3	0.0221763	1.23604 Up-regulated in PsA
RNF26	0.0222037	1.17515 Up-regulated in PsA

ETFDH	0.0222237	0.633569 Down-regulated in PsA
WRAP53	0.0222495	0.778695 Down-regulated in PsA
AC009237.4	0.0222572	0.948452 Down-regulated in PsA
CFAP77	0.022273	0.81457 Down-regulated in PsA
RP11-586D5.3	0.0222832	1.27151 Up-regulated in PsA
LINC00642	0.0223251	1.63664 Up-regulated in PsA
CASP5	0.0223336	0.765088 Down-regulated in PsA
Y_RNA	0.0223439	1.13401 Up-regulated in PsA
MYHAS	0.0224065	0.777833 Down-regulated in PsA
Y_RNA	0.02245	0.866315 Down-regulated in PsA
PFN1P11	0.0224554	1.25679 Up-regulated in PsA
CCDC38	0.0224933	0.796525 Down-regulated in PsA
NBPF21P	0.0224945	1.13295 Up-regulated in PsA
NBPF2P	0.0224967	0.862198 Down-regulated in PsA
C6orf25	0.0225149	1.32112 Up-regulated in PsA
RP11-336A10.7	0.0225486	1.07781 Up-regulated in PsA
LOC100130075	0.0225609	1.39664 Up-regulated in PsA
RP11-798K3.3	0.0225807	0.917154 Down-regulated in PsA
LOC643802	0.0226118	0.862231 Down-regulated in PsA
TIMM23	0.0226182	0.870433 Down-regulated in PsA
PAX7	0.0226682	0.840745 Down-regulated in PsA
RP11-517C16.2	0.0226906	1.29949 Up-regulated in PsA
ZNF532	0.0226971	0.715587 Down-regulated in PsA
TUBA8	0.0227001	0.903879 Down-regulated in PsA
RP11-1141N12.1	0.0227139	0.822602 Down-regulated in PsA

MIR6075	0.0227825	1.24194 Up-regulated in PsA
NAV2-AS4	0.0227955	1.49169 Up-regulated in PsA
HNRNPCL4	0.0228079	0.674554 Down-regulated in PsA
AC002386.1	0.0228202	0.914189 Down-regulated in PsA
RP1-13D10.2	0.0228421	0.752957 Down-regulated in PsA
PP7080	0.0228478	1.24837 Up-regulated in PsA
OR8G2	0.0229171	1.22237 Up-regulated in PsA
RN7SL764P	0.0229338	1.18596 Up-regulated in PsA
RP11-1072C15.6	0.0229385	0.663367 Down-regulated in PsA
MIR4472-1	0.0229457	1.25103 Up-regulated in PsA
MRPS9	0.0229587	0.781036 Down-regulated in PsA
RP11-542K23.7	0.022962	1.51913 Up-regulated in PsA
RP1-95L4.3	0.0229637	0.895278 Down-regulated in PsA
COPB1	0.0229755	0.820122 Down-regulated in PsA
AC009133.17	0.0229906	1.26143 Up-regulated in PsA
RP11-474L11.3	0.0230052	1.21599 Up-regulated in PsA
MTRF1LP1	0.0230215	1.26197 Up-regulated in PsA
BGLT3	0.0230895	0.628864 Down-regulated in PsA
RP11-882I15.1	0.0231062	1.06384 Up-regulated in PsA
DLG1-AS1	0.023137	1.26301 Up-regulated in PsA
SAMD14	0.0231687	1.2063 Up-regulated in PsA
RN7SKP83	0.0232007	1.20647 Up-regulated in PsA
DIAPH2	0.023207	0.847188 Down-regulated in PsA
MIR1302-8	0.0232215	1.24601 Up-regulated in PsA
LOC101929721	0.0232339	1.26834 Up-regulated in PsA

PAK1IP1	0.0232462	0.751605 Down-regulated in PsA
PPID	0.0232888	0.678186 Down-regulated in PsA
ADAM32	0.023297	0.63202 Down-regulated in PsA
ALG1	0.0233057	0.790346 Down-regulated in PsA
KIAA0753	0.0233106	0.693035 Down-regulated in PsA
RP11-309H21.3	0.0233197	1.42125 Up-regulated in PsA
RP11-340I6.7	0.0233434	1.20962 Up-regulated in PsA
RP11-530C5.2	0.0233898	0.7725 Down-regulated in PsA
RP11-1H8.5	0.0234094	1.1609 Up-regulated in PsA
RN7SL330P	0.0234098	1.36345 Up-regulated in PsA
C1orf95	0.0234173	0.882603 Down-regulated in PsA
OFD1P3Y	0.0234303	1.30087 Up-regulated in PsA
MIR1538	0.0234324	1.26668 Up-regulated in PsA
SNORA13	0.0234378	1.40018 Up-regulated in PsA
RP11-1082L8.4	0.0234735	0.838503 Down-regulated in PsA
AC010145.4	0.0235106	0.860027 Down-regulated in PsA
LL22NC03-24A12.8	0.0235142	1.46078 Up-regulated in PsA
OR5M11	0.0235431	0.559693 Down-regulated in PsA
CACNA1A	0.023553	0.776837 Down-regulated in PsA
RP11-746P2.5	0.023566	1.35092 Up-regulated in PsA
DDX39B-AS1	0.0235782	1.25862 Up-regulated in PsA
RP13-39P12.2	0.02358	0.848749 Down-regulated in PsA
RP11-68E19.1	0.0235853	0.770848 Down-regulated in PsA
KRI1	0.0236193	0.647284 Down-regulated in PsA
NTN5	0.023638	0.85983 Down-regulated in PsA

UBE2Z	0.0236519	1.15634 Up-regulated in PsA
RP11-431M3.1	0.0236849	0.859079 Down-regulated in PsA
MYCNUT	0.0237128	1.22998 Up-regulated in PsA
RP11-12A16.3	0.0237619	1.17866 Up-regulated in PsA
MYL12BP1	0.0237968	0.864669 Down-regulated in PsA
TNPO1P3	0.0238005	0.52588 Down-regulated in PsA
RP11-23E19.1	0.0238149	1.26061 Up-regulated in PsA
RP11-431K24.2	0.0238156	1.18624 Up-regulated in PsA
GLYCAM1	0.0238321	1.24675 Up-regulated in PsA
MRPL3P1	0.0238374	0.808676 Down-regulated in PsA
POTEB2	0.0238763	1.27004 Up-regulated in PsA
SNORD113-7	0.0239015	1.23845 Up-regulated in PsA
GPLD1	0.0239165	0.819672 Down-regulated in PsA
ZNF347	0.0239206	0.61531 Down-regulated in PsA
LINC00951	0.0239246	0.716109 Down-regulated in PsA
RP5-1132H15.2	0.0239256	0.873986 Down-regulated in PsA
RP11-291O7.1	0.0239381	0.785648 Down-regulated in PsA
RP1-96H9.5	0.0239692	1.13928 Up-regulated in PsA
ABCD2	0.0239814	0.590476 Down-regulated in PsA
RNMTL1P1	0.0239921	1.13825 Up-regulated in PsA
LINC00605	0.0240451	0.695844 Down-regulated in PsA
FRMPD2B	0.0240547	0.828948 Down-regulated in PsA
RAD9A	0.0240983	0.781374 Down-regulated in PsA
ZNF33BP1	0.0241637	0.833233 Down-regulated in PsA
RP11-510J16.5	0.0241719	0.61222 Down-regulated in PsA

CFAP161	0.0241942	1.37444 Up-regulated in PsA
RP11-399E6.4	0.0242013	1.18795 Up-regulated in PsA
RP11-234A1.1	0.024205	1.40774 Up-regulated in PsA
LINC01548	0.0242617	1.43886 Up-regulated in PsA
MIR367	0.0242935	1.05669 Up-regulated in PsA
AC108004.3	0.0243003	1.40483 Up-regulated in PsA
C9orf85	0.024321	0.733874 Down-regulated in PsA
CCT4	0.0243251	0.793996 Down-regulated in PsA
C9orf40	0.0243493	0.751785 Down-regulated in PsA
RP4-584D14.5	0.0243587	1.25515 Up-regulated in PsA
RP11-362L22.1	0.0243795	1.22971 Up-regulated in PsA
MIR5692C1	0.0243847	0.883853 Down-regulated in PsA
LOC100505609	0.0244118	0.711954 Down-regulated in PsA
MIR548AY	0.0244257	0.647893 Down-regulated in PsA
EPM2A	0.0244288	0.776564 Down-regulated in PsA
UBQLN1P1	0.024431	0.708482 Down-regulated in PsA
MED8	0.024459	0.846488 Down-regulated in PsA
RP4-593M8.1	0.0245242	0.669435 Down-regulated in PsA
GNPNAT1	0.0245393	0.666008 Down-regulated in PsA
AP000146.2	0.024588	1.19623 Up-regulated in PsA
LINC00933	0.0246308	0.959799 Down-regulated in PsA
RP11-118G23.1	0.0246321	1.48061 Up-regulated in PsA
CHCHD3P2	0.0246387	0.925957 Down-regulated in PsA
RP11-439C8.2	0.0246765	1.22969 Up-regulated in PsA
RP11-573C10.1	0.0247028	0.714487 Down-regulated in PsA

RP5-1186P10.1	0.024721	0.81078 Down-regulated in PsA
RP11-818O24.3	0.0247592	1.20205 Up-regulated in PsA
ADGRB1	0.0248141	0.756111 Down-regulated in PsA
NFX1	0.0248154	0.918611 Down-regulated in PsA
RN7SL503P	0.0248259	1.15273 Up-regulated in PsA
AC073850.6	0.0248425	0.668475 Down-regulated in PsA
LPCAT2	0.0248742	0.845235 Down-regulated in PsA
RP5-1139B12.2	0.0249038	0.732346 Down-regulated in PsA
ATP6V1E1P1	0.0249053	0.710674 Down-regulated in PsA
FAM133A	0.0249471	0.890594 Down-regulated in PsA
MIRLET7D	0.024948	1.05153 Up-regulated in PsA
UBE2B	0.0249508	0.838889 Down-regulated in PsA
RN7SKP107	0.0249678	1.12777 Up-regulated in PsA
RP1-37N7.1	0.024983	1.37948 Up-regulated in PsA
RP11-548K12.11	0.0249994	1.14882 Up-regulated in PsA
COQ5	0.0250057	0.684918 Down-regulated in PsA
KNOP1	0.0250079	0.721083 Down-regulated in PsA
ZNF780A	0.0250212	0.7421 Down-regulated in PsA
LINC00570	0.025058	0.831769 Down-regulated in PsA
RP11-439I14.3	0.0250766	1.69047 Up-regulated in PsA
AIFM2	0.0251033	0.606723 Down-regulated in PsA
RP11-108K3.3	0.0251103	0.860336 Down-regulated in PsA
RP11-753D20.1	0.0251222	0.880294 Down-regulated in PsA
SETX	0.0251249	0.833471 Down-regulated in PsA
RNY4P29	0.0251254	1.36992 Up-regulated in PsA



RP11-438F14.10	0.0251391	0.736269 Down-regulated in PsA
RP11-736G13.1	0.0251519	1.54641 Up-regulated in PsA
OTOS	0.0251707	0.687846 Down-regulated in PsA
PYM1	0.0251732	0.801609 Down-regulated in PsA
NKIRAS1	0.0251781	0.739509 Down-regulated in PsA
COPS8P3	0.0251881	1.169 Up-regulated in PsA
Y_RNA	0.0252196	0.924282 Down-regulated in PsA
AP000936.5	0.0252732	1.12528 Up-regulated in PsA
RP11-1084E5.1	0.0252774	0.792784 Down-regulated in PsA
ZNFX1	0.0252954	0.881708 Down-regulated in PsA
PTRH2	0.0252962	0.781455 Down-regulated in PsA
STMN2	0.0253005	1.22278 Up-regulated in PsA
TCEB1P6	0.0253123	1.32887 Up-regulated in PsA
PAX1	0.0253181	0.852891 Down-regulated in PsA
RN7SL846P	0.025326	1.39802 Up-regulated in PsA
LVCAT1	0.0253338	0.832261 Down-regulated in PsA
RPS4XP8	0.0253505	1.16413 Up-regulated in PsA
MTCO1P24	0.0253692	1.20845 Up-regulated in PsA
Y_RNA	0.0254193	0.864304 Down-regulated in PsA
TADA1	0.0254465	0.830386 Down-regulated in PsA
ARPC1A	0.0254641	0.822041 Down-regulated in PsA
ABCB10	0.0254679	0.710345 Down-regulated in PsA
RP11-356K22.1	0.0254805	0.629811 Down-regulated in PsA
RP11-10J5.1	0.0254991	1.32447 Up-regulated in PsA
NT5DC4	0.0255009	1.17508 Up-regulated in PsA

RP1-29C18.10	0.0255027	0.927091 Down-regulated in PsA
RNA5SP91	0.0255069	1.60243 Up-regulated in PsA
MIR5586	0.0255328	0.760242 Down-regulated in PsA
PEX14	0.0255401	0.83238 Down-regulated in PsA
USP9YP10	0.0255599	0.885965 Down-regulated in PsA
PRYP2	0.0255753	1.25925 Up-regulated in PsA
CTA-221G9.7	0.0255833	0.763866 Down-regulated in PsA
CST4	0.0255972	0.670668 Down-regulated in PsA
RP11-208P4.1	0.025601	1.31574 Up-regulated in PsA
TPI1P2	0.025604	0.912621 Down-regulated in PsA
FLJ43879	0.0256073	1.42896 Up-regulated in PsA
RP11-214K3.24	0.0256654	0.721694 Down-regulated in PsA
LOC101928185	0.0256701	1.46035 Up-regulated in PsA
MIR3617	0.0256819	1.05208 Up-regulated in PsA
TCEB1P24	0.0257067	0.860143 Down-regulated in PsA
TCEB1P24	0.0257067	0.860143 Down-regulated in PsA
TAF7L	0.0257219	0.571551 Down-regulated in PsA
RP11-354E23.4	0.0257768	0.578613 Down-regulated in PsA
MLXIP	0.0257931	1.29247 Up-regulated in PsA
MSRA	0.0258152	0.583873 Down-regulated in PsA
RP11-284F21.8	0.0258265	1.3871 Up-regulated in PsA
TP53TG3D	0.0258519	0.874481 Down-regulated in PsA
KB-1183D5.16	0.0258745	0.800129 Down-regulated in PsA
MTATP6P23	0.0258782	1.5354 Up-regulated in PsA
AC002551.1	0.0258869	0.704922 Down-regulated in PsA

CYP2D6	0.0258875	1.16377 Up-regulated in PsA
GEMIN2P1	0.0258918	1.46831 Up-regulated in PsA
RP5-849H19.2	0.025912	0.580426 Down-regulated in PsA
COX18	0.0259156	0.780325 Down-regulated in PsA
FMO5	0.025948	0.777368 Down-regulated in PsA
SNRPCP16	0.0259484	0.928079 Down-regulated in PsA
LOC285889	0.0259719	1.36448 Up-regulated in PsA
ECT2L	0.0260312	0.922388 Down-regulated in PsA
TMEM206	0.0260321	0.576896 Down-regulated in PsA
OR4F16	0.0260584	0.891465 Down-regulated in PsA
OR4F29	0.0260584	0.891465 Down-regulated in PsA
GON4L	0.0260757	0.929237 Down-regulated in PsA
ZBTB47	0.026081	0.761047 Down-regulated in PsA
CRTC3	0.0261301	1.11511 Up-regulated in PsA
SSPO	0.0261464	0.949878 Down-regulated in PsA
AC007679.4	0.0262022	1.16097 Up-regulated in PsA
LRRC3C	0.0262287	0.671028 Down-regulated in PsA
FPGT-TNNI3K	0.0262443	0.532659 Down-regulated in PsA
MIR130B	0.0262519	1.13403 Up-regulated in PsA
RP11-664I21.5	0.0262533	0.784596 Down-regulated in PsA
RP1-224A6.9	0.0262943	0.694483 Down-regulated in PsA
RP3-466P17.1	0.0263525	1.1625 Up-regulated in PsA
STX3	0.0263538	0.70192 Down-regulated in PsA
LOC100506125	0.0263598	1.32922 Up-regulated in PsA
TIFA	0.0263636	0.467679 Down-regulated in PsA

GBX2	0.0263718	0.743228 Down-regulated in PsA
LPAR5	0.026375	1.20303 Up-regulated in PsA
F2R	0.0263776	1.25958 Up-regulated in PsA
OR11J2P	0.026387	1.32433 Up-regulated in PsA
RP11-452L6.7	0.0263891	1.05424 Up-regulated in PsA
MDFIC	0.0264065	0.808846 Down-regulated in PsA
RP11-174O3.1	0.0264297	1.20545 Up-regulated in PsA
CTD-2651B20.5	0.0264424	1.25469 Up-regulated in PsA
KRT81	0.0264549	1.15543 Up-regulated in PsA
EMC4	0.0264744	0.871647 Down-regulated in PsA
FGFR3P6	0.0264762	0.827893 Down-regulated in PsA
NANOG	0.0265263	0.751676 Down-regulated in PsA
LRRC19	0.0265431	0.617696 Down-regulated in PsA
RBBP4	0.026559	0.810373 Down-regulated in PsA
MIR548A1	0.0265812	0.93246 Down-regulated in PsA
RP11-3D4.2	0.0265879	1.28936 Up-regulated in PsA
AC011754.1	0.0265991	0.846031 Down-regulated in PsA
REV3L	0.0265995	0.822068 Down-regulated in PsA
KRTAP25-1	0.0266287	0.763736 Down-regulated in PsA
RP11-166B2.5	0.0266416	0.946366 Down-regulated in PsA
LRIT2	0.0266521	0.85477 Down-regulated in PsA
SNORA25	0.0266679	0.675344 Down-regulated in PsA
RP11-427P5.2	0.026678	1.69394 Up-regulated in PsA
SNORA71C	0.0266949	1.26683 Up-regulated in PsA
ETFA	0.026709	0.733876 Down-regulated in PsA

RP11-449D8.5	0.0267207	0.822571 Down-regulated in PsA
KCNQ5-AS1	0.0267282	0.813722 Down-regulated in PsA
PCED1CP	0.0267423	1.45987 Up-regulated in PsA
MRGPRD	0.0267452	0.912701 Down-regulated in PsA
HIGD1AP10	0.0267736	0.801529 Down-regulated in PsA
EXOSC2	0.0267826	0.702928 Down-regulated in PsA
Y_RNA	0.0268032	1.26208 Up-regulated in PsA
LOC100288069	0.0268213	0.953096 Down-regulated in PsA
RP11-149I23.3	0.0268229	0.875428 Down-regulated in PsA
Y_RNA	0.0268295	1.35691 Up-regulated in PsA
HMG2N2P11	0.026836	1.34961 Up-regulated in PsA
TOLLIP	0.026869	0.932847 Down-regulated in PsA
AC084121.14	0.0269163	0.86359 Down-regulated in PsA
VCP	0.0269527	0.875878 Down-regulated in PsA
AC007271.3	0.026982	1.56888 Up-regulated in PsA
TUBBP9	0.0269904	0.945648 Down-regulated in PsA
AC159540.3	0.0269949	0.925802 Down-regulated in PsA
PRB2	0.027003	0.871562 Down-regulated in PsA
RP11-127L20.5	0.0270321	0.890788 Down-regulated in PsA
ENPP7P9	0.0270392	0.971643 Down-regulated in PsA
MIR6859-3	0.0270564	1.24652 Up-regulated in PsA
Y_RNA	0.0270576	1.03406 Up-regulated in PsA
RP1-20N2.7	0.0270852	0.85247 Down-regulated in PsA
ZNF502	0.0270893	0.595178 Down-regulated in PsA
GTF2IP20	0.0271268	1.088 Up-regulated in PsA

MIR5091	0.0272064	1.30949 Up-regulated in PsA
RP11-277L2.5	0.02722	0.818339 Down-regulated in PsA
SLC22A10	0.0272202	0.780758 Down-regulated in PsA
OR4F21	0.027222	0.66156 Down-regulated in PsA
PHF1	0.0272347	1.49184 Up-regulated in PsA
TMEM187	0.0272518	0.544177 Down-regulated in PsA
RP11-549B18.1	0.0272645	1.69588 Up-regulated in PsA
EYA3	0.0272809	0.626811 Down-regulated in PsA
MIR3142	0.0273077	0.691587 Down-regulated in PsA
A2ML1	0.0273818	1.42429 Up-regulated in PsA
TTC31	0.0273915	0.891345 Down-regulated in PsA
PTPN6	0.0274019	0.932324 Down-regulated in PsA
RP4-575N6.2	0.027409	0.8747 Down-regulated in PsA
SETDB2	0.0274278	0.611784 Down-regulated in PsA
C8orf4	0.0274338	0.829524 Down-regulated in PsA
TMEM59	0.0274342	0.861872 Down-regulated in PsA
RP11-258O13.1	0.0274434	0.859974 Down-regulated in PsA
RP11-362I1.1	0.0274736	1.08873 Up-regulated in PsA
PARP11	0.0274743	0.89469 Down-regulated in PsA
LOC101927709	0.0274812	0.855077 Down-regulated in PsA
Metazoa_SRP	0.0274845	1.21149 Up-regulated in PsA
GTF2A2	0.0274993	0.778801 Down-regulated in PsA
GLRXP	0.0275584	0.793597 Down-regulated in PsA
ZFYVE21	0.0275952	0.661383 Down-regulated in PsA
RP11-428G5.5	0.0276237	0.393978 Down-regulated in PsA

CTC-471J1.2	0.027641	1.42474 Up-regulated in PsA
AP001610.9	0.027645	1.28297 Up-regulated in PsA
TDGF1P4	0.0276451	1.21844 Up-regulated in PsA
CTD-3113P16.5	0.0276527	1.21828 Up-regulated in PsA
TRIM43CP	0.0276697	1.16386 Up-regulated in PsA
LOC100130673	0.0277232	0.787142 Down-regulated in PsA
ADM5	0.0277844	0.794077 Down-regulated in PsA
AF241725.6	0.0277845	1.59433 Up-regulated in PsA
PNPLA7	0.0277848	1.10652 Up-regulated in PsA
ITM2C	0.0278157	1.56698 Up-regulated in PsA
RN7SL783P	0.0278159	1.3157 Up-regulated in PsA
CLEC1B	0.0278305	1.28833 Up-regulated in PsA
RPS6KB1	0.027839	0.871189 Down-regulated in PsA
ARHGEF6	0.0278465	0.908134 Down-regulated in PsA
AL133249.1	0.0278528	0.834069 Down-regulated in PsA
Metazoa_SRP	0.0278556	1.1538 Up-regulated in PsA
LOC401242	0.027886	1.23745 Up-regulated in PsA
SPRYD4	0.0278927	0.868637 Down-regulated in PsA
RP11-296C13.1	0.0278938	1.23765 Up-regulated in PsA
LINC00443	0.0278995	1.30438 Up-regulated in PsA
RP11-314P15.2	0.027919	1.19065 Up-regulated in PsA
NPM3	0.0279217	1.24856 Up-regulated in PsA
GAPDHP41	0.0279231	1.3011 Up-regulated in PsA
Metazoa_SRP	0.0279233	1.4054 Up-regulated in PsA
RP11-687M24.7	0.0279395	1.21459 Up-regulated in PsA

XX-FYM637E10_5.1	0.0279553	1.29654 Up-regulated in PsA
RP11-191F9.1	0.0279568	1.15252 Up-regulated in PsA
ZNF565	0.0279615	0.643019 Down-regulated in PsA
RP4-800M22.4	0.0279987	1.41286 Up-regulated in PsA
RP11-813F20.4	0.0280118	1.27494 Up-regulated in PsA
AC010900.2	0.0280383	1.13821 Up-regulated in PsA
SLC16A14P1	0.0280571	1.43636 Up-regulated in PsA
GS1-164F24.1	0.0280918	1.13454 Up-regulated in PsA
ABL1	0.0280937	0.839297 Down-regulated in PsA
STAC3	0.028132	0.679899 Down-regulated in PsA
AC008982.2	0.0281377	0.882196 Down-regulated in PsA
RP11-486A14.1	0.0281598	1.47715 Up-regulated in PsA
ANP32C	0.0281603	0.887853 Down-regulated in PsA
LOC101928438	0.0281724	1.18278 Up-regulated in PsA
HOTAIR	0.0281778	1.12547 Up-regulated in PsA
CH17-248H7.3	0.0281923	1.31413 Up-regulated in PsA
RP11-722M1.1	0.0282	1.36973 Up-regulated in PsA
CTD-2332E11.2	0.0282277	1.18874 Up-regulated in PsA
RN7SKP58	0.0282572	1.28731 Up-regulated in PsA
SOHLH1	0.0282599	1.06728 Up-regulated in PsA
ETV5-AS1	0.0282713	0.758833 Down-regulated in PsA
PDSS2	0.0282836	0.598606 Down-regulated in PsA
MTCYBP12	0.0282994	0.880778 Down-regulated in PsA
SRGAP3-AS1	0.0283042	1.31726 Up-regulated in PsA
OR2AE1	0.0283188	1.36154 Up-regulated in PsA



RPL27AP8	0.0283289	1.10022 Up-regulated in PsA
GNS	0.0283289	0.870387 Down-regulated in PsA
RP11-200A1.1	0.0283406	1.31243 Up-regulated in PsA
AADACL2	0.0283423	1.0773 Up-regulated in PsA
ATP11A	0.0283456	1.16628 Up-regulated in PsA
AHCY	0.0283717	1.0857 Up-regulated in PsA
RP5-1168A5.1	0.028377	0.641485 Down-regulated in PsA
RN7SL65P	0.0283778	1.29731 Up-regulated in PsA
AC079834.1	0.0283831	0.963432 Down-regulated in PsA
MIR3166	0.0283928	0.809189 Down-regulated in PsA
NDUFB4P11	0.0283933	0.468631 Down-regulated in PsA
RP1-149A16.12	0.0284103	1.56359 Up-regulated in PsA
RP11-389O22.1	0.0284185	0.639135 Down-regulated in PsA
DDX20	0.0284318	0.885644 Down-regulated in PsA
EN2	0.0284382	0.82109 Down-regulated in PsA
AC026150.8	0.0284563	0.565192 Down-regulated in PsA
NDUFA4L2	0.0284652	1.57974 Up-regulated in PsA
MDC1-AS1	0.0285007	0.808223 Down-regulated in PsA
RP11-455I9.1	0.028502	0.747708 Down-regulated in PsA
RP11-562A8.4	0.0285537	1.17888 Up-regulated in PsA
PTPN2P1	0.0285775	0.798945 Down-regulated in PsA
THAP10	0.0285842	0.75107 Down-regulated in PsA
EIF3H	0.0286019	0.931505 Down-regulated in PsA
IGSF6	0.0286065	0.752011 Down-regulated in PsA
OR2B4P	0.0286317	0.663047 Down-regulated in PsA

KCTD1	0.0286354	0.908403 Down-regulated in PsA
RP11-578F21.9	0.0286435	1.31371 Up-regulated in PsA
CORO2B	0.0286519	0.658305 Down-regulated in PsA
RP11-158L12.5	0.0286602	1.60713 Up-regulated in PsA
TNPO3	0.0286655	0.826266 Down-regulated in PsA
BECN2	0.0286663	1.21516 Up-regulated in PsA
RPS27	0.0286668	1.08849 Up-regulated in PsA
RPL23AP96	0.0286914	1.55137 Up-regulated in PsA
ZNF197	0.0287205	1.2335 Up-regulated in PsA
RP11-230L22.4	0.0287238	0.633238 Down-regulated in PsA
ACAT2	0.0287676	0.766119 Down-regulated in PsA
RP11-397G5.2	0.0287857	0.828732 Down-regulated in PsA
NDUFA5P5	0.0287875	0.708542 Down-regulated in PsA
PHOSPHO2	0.0287922	0.433209 Down-regulated in PsA
LINC00618	0.0288098	1.48627 Up-regulated in PsA
HSPA8P9	0.0288106	0.773773 Down-regulated in PsA
FCRL5	0.0288295	1.33605 Up-regulated in PsA
TUBBP6	0.0288411	1.1998 Up-regulated in PsA
RP13-395E19.2	0.0288576	1.05183 Up-regulated in PsA
ARPC3P2	0.0289052	0.730136 Down-regulated in PsA
FAM153B	0.0289134	0.676033 Down-regulated in PsA
RNU6-373P	0.0289159	1.35824 Up-regulated in PsA
TCEB3	0.0289215	0.726596 Down-regulated in PsA
HOTAIR_5	0.0289253	0.656074 Down-regulated in PsA
AC011330.5	0.0289363	1.66414 Up-regulated in PsA

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pRNA	0.0292411	1.18617 Up-regulated in PsA
AC010105.1	0.0292447	1.2208 Up-regulated in PsA
RBBP6	0.0292596	1.04532 Up-regulated in PsA
FABP4	0.0292662	1.42293 Up-regulated in PsA
MYO1F	0.0292756	0.973677 Down-regulated in PsA
AC013444.1	0.0292863	1.87952 Up-regulated in PsA
USP9YP22	0.0292946	1.09275 Up-regulated in PsA
TF	0.0293032	1.58088 Up-regulated in PsA
RP11-502F1.2	0.0293033	0.8149 Down-regulated in PsA
RPS3AP33	0.0293229	1.11286 Up-regulated in PsA
STAT6	0.0293369	0.87496 Down-regulated in PsA
LOC101927229	0.0293652	1.20422 Up-regulated in PsA
RP5-857K21.4	0.0293876	0.709808 Down-regulated in PsA
USP53	0.0293926	0.549341 Down-regulated in PsA
ZNF563	0.0294181	0.73171 Down-regulated in PsA
AP001619.3	0.0294504	1.10521 Up-regulated in PsA
AATK-AS1	0.029461	1.31231 Up-regulated in PsA
TAAR8	0.0294726	1.21888 Up-regulated in PsA
RPS23P9	0.0294728	1.6951 Up-regulated in PsA
RP11-64C12.7	0.0295545	0.869227 Down-regulated in PsA
RN7SKP77	0.0295633	0.780073 Down-regulated in PsA
SNORA28	0.0295688	1.08937 Up-regulated in PsA
BICD1	0.0296067	0.690598 Down-regulated in PsA
MEGF9	0.0296217	0.812021 Down-regulated in PsA
RP3-417O22.3	0.0296269	0.676436 Down-regulated in PsA

CTD-3126B10.5	0.0296339	0.799924 Down-regulated in PsA
PPP2R3C	0.0296456	0.755015 Down-regulated in PsA
UBE2N	0.0296831	0.726415 Down-regulated in PsA
RP11-360A18.2	0.029686	0.87159 Down-regulated in PsA
LINC01613	0.029686	0.87159 Down-regulated in PsA
RP1-8B22.2	0.0296998	0.793048 Down-regulated in PsA
RP11-467J12.2	0.0297035	1.07691 Up-regulated in PsA
AP000343.1	0.0297238	1.15148 Up-regulated in PsA
KCTD9P3	0.0297371	0.781694 Down-regulated in PsA
REXO4	0.0297897	0.842787 Down-regulated in PsA
DCAF13	0.0298042	0.679423 Down-regulated in PsA
RP11-593F5.1	0.0298145	0.848856 Down-regulated in PsA
BCAR1P2	0.0298221	1.17623 Up-regulated in PsA
NPAT	0.0298435	0.665063 Down-regulated in PsA
RP11-447M4.1	0.0298449	1.29704 Up-regulated in PsA
PLAC8L1	0.0299087	0.777428 Down-regulated in PsA
ARAP2	0.0299221	1.85078 Up-regulated in PsA
SLTM	0.0299302	0.833988 Down-regulated in PsA
LOC101927464	0.0299323	1.15338 Up-regulated in PsA
RN7SL254P	0.029937	1.16254 Up-regulated in PsA
RP11-973D8.4	0.0299387	1.65543 Up-regulated in PsA
PTP4A1P1	0.0299667	0.759061 Down-regulated in PsA
OR52A1	0.0299865	0.681623 Down-regulated in PsA
RNF8	0.029993	0.564927 Down-regulated in PsA
CYP27C1	0.0299953	0.531588 Down-regulated in PsA

RN7SL443P	0.0300038	1.18801 Up-regulated in PsA
BNIP3P1	0.0300093	0.857765 Down-regulated in PsA
PRKCB	0.0300152	0.749898 Down-regulated in PsA
AC140725.8	0.0300319	0.585401 Down-regulated in PsA
RP11-3P17.5	0.0300617	1.09018 Up-regulated in PsA
RP11-111A22.1	0.0300681	1.14114 Up-regulated in PsA
LDHBP1	0.0300849	1.41683 Up-regulated in PsA
CTC-428G20.3	0.0300866	0.700221 Down-regulated in PsA
CKAP5	0.0301508	0.767726 Down-regulated in PsA
STIL	0.0301606	0.54504 Down-regulated in PsA
SETP15	0.0301891	0.839559 Down-regulated in PsA
RMDN1	0.0302192	0.851111 Down-regulated in PsA
RP11-692D12.1	0.030239	0.704216 Down-regulated in PsA
FAM69B	0.0302497	0.79661 Down-regulated in PsA
PLCXD3	0.0302517	1.29565 Up-regulated in PsA
EIF4HP1	0.0302625	0.848271 Down-regulated in PsA
SNORA40	0.0302734	0.817037 Down-regulated in PsA
GUCY1A3	0.0303313	0.656245 Down-regulated in PsA
AC024162.2	0.0303407	0.880282 Down-regulated in PsA
RP11-622J8.1	0.030362	1.18808 Up-regulated in PsA
HSPH1	0.0303726	0.636086 Down-regulated in PsA
AC005614.5	0.0303922	0.645566 Down-regulated in PsA
AC019097.7	0.030403	0.762053 Down-regulated in PsA
RP11-365D23.4	0.0304143	2.20167 Up-regulated in PsA
RN7SL188P	0.0304171	1.16726 Up-regulated in PsA

Y_RNA	0.0304223	0.897798 Down-regulated in PsA
RPL35AP4	0.0304581	1.25277 Up-regulated in PsA
DUS3L	0.0304645	1.12662 Up-regulated in PsA
RP13-895J2.10	0.0304843	1.19541 Up-regulated in PsA
RP11-475O23.2	0.0304891	1.17124 Up-regulated in PsA
TCEB1P17	0.0305193	1.25207 Up-regulated in PsA
MIR32	0.0305207	0.680902 Down-regulated in PsA
GPR137B	0.0305335	0.828291 Down-regulated in PsA
PMVK	0.0305765	0.72285 Down-regulated in PsA
RP11-608B3.1	0.0306025	0.876085 Down-regulated in PsA
MIR99A	0.0306217	1.24181 Up-regulated in PsA
BDP1	0.0306332	0.690277 Down-regulated in PsA
CTD-2008E3.1	0.0306346	0.946109 Down-regulated in PsA
GART	0.0306388	0.710546 Down-regulated in PsA
RN7SL448P	0.0306407	1.19156 Up-regulated in PsA
ZBTB46-AS1	0.0306434	1.03264 Up-regulated in PsA
RP11-526K21.2	0.0306512	1.40971 Up-regulated in PsA
DHODH	0.0306555	0.787522 Down-regulated in PsA
RPL12P9	0.0306807	0.81202 Down-regulated in PsA
RP5-1164C1.2	0.0306882	1.28634 Up-regulated in PsA
RP11-96D1.8	0.0306925	1.11105 Up-regulated in PsA
DOK4	0.0307333	0.632465 Down-regulated in PsA
AC019185.2	0.0307591	0.842503 Down-regulated in PsA
OR4N1P	0.0307853	1.249 Up-regulated in PsA
RP11-302K17.3	0.030844	1.18302 Up-regulated in PsA

COL18A1	0.0308463	1.12259 Up-regulated in PsA
USP34	0.0308637	0.785467 Down-regulated in PsA
RP11-321E2.9	0.030866	1.46135 Up-regulated in PsA
TRIM26	0.0308919	0.806126 Down-regulated in PsA
MIR532	0.0308979	1.34771 Up-regulated in PsA
RP11-893F2.14	0.030905	1.24709 Up-regulated in PsA
BRICD5	0.0309054	1.35044 Up-regulated in PsA
RN7SL68P	0.0309483	0.773253 Down-regulated in PsA
SMIM10L2B	0.0309575	1.16447 Up-regulated in PsA
TRIM50	0.0309974	0.852604 Down-regulated in PsA
PARP1P1	0.0310399	0.81188 Down-regulated in PsA
CDH18	0.0310434	1.44564 Up-regulated in PsA
USP45	0.0310706	0.55508 Down-regulated in PsA
MIR3147	0.0310801	1.26009 Up-regulated in PsA
RP11-395N3.1	0.0311183	1.19532 Up-regulated in PsA
RP11-178H8.2	0.031129	1.14057 Up-regulated in PsA
BTN2A1	0.0311635	0.700908 Down-regulated in PsA
ALAD	0.0312111	0.885269 Down-regulated in PsA
CLECL1	0.0312379	2.62436 Up-regulated in PsA
ZNF540	0.0312529	0.752473 Down-regulated in PsA
KCCAT333	0.0312589	1.93481 Up-regulated in PsA
RP11-108M9.5	0.0312693	1.26263 Up-regulated in PsA
LOC102723604	0.0312729	1.49245 Up-regulated in PsA
KRT39	0.0312989	0.690348 Down-regulated in PsA
LENG8	0.0313029	0.951066 Down-regulated in PsA



RPSAP5	0.0313218	0.864886 Down-regulated in PsA
MIR4478	0.0313347	1.26094 Up-regulated in PsA
CITED4	0.0313557	0.906853 Down-regulated in PsA
DBIL5P2	0.0313625	1.38083 Up-regulated in PsA
MTCO1P45	0.0313634	1.20027 Up-regulated in PsA
RP11-1018N14.5	0.0313751	0.828515 Down-regulated in PsA
RP11-493L12.3	0.0314052	1.3897 Up-regulated in PsA
RP11-454L9.2	0.0314054	1.20373 Up-regulated in PsA
BUD31P1	0.0314354	1.20722 Up-regulated in PsA
NSFL1C	0.0314397	0.860885 Down-regulated in PsA
RP11-486M3.2	0.0314673	1.263 Up-regulated in PsA
OR7D2	0.0314766	0.869379 Down-regulated in PsA
LILRA2	0.0314887	0.831533 Down-regulated in PsA
ZCCHC9	0.0315007	0.84113 Down-regulated in PsA
HERC2P3	0.0315029	0.525553 Down-regulated in PsA
RP13-157F18.2	0.0315131	0.824122 Down-regulated in PsA
KB-1517D11.2	0.0315148	0.634883 Down-regulated in PsA
RN7SL420P	0.0315271	1.17681 Up-regulated in PsA
RP11-124N14.3	0.0315305	1.16529 Up-regulated in PsA
CTC-241F20.4	0.0315746	1.4836 Up-regulated in PsA
EFCAB11	0.0315864	0.512265 Down-regulated in PsA
XXbac-B476C20.11	0.0316131	1.14651 Up-regulated in PsA
CLYBL-AS1	0.0316203	1.70447 Up-regulated in PsA
DHX16	0.0316207	0.805608 Down-regulated in PsA
PCYT1A	0.0316271	0.775337 Down-regulated in PsA

TTC30B	0.0316319	0.67543 Down-regulated in PsA
ADRA1B	0.0316557	0.67581 Down-regulated in PsA
OR5D3P	0.0316625	1.25272 Up-regulated in PsA
DRD1	0.0316958	0.803064 Down-regulated in PsA
Six3os1_1	0.03171	1.21205 Up-regulated in PsA
RPL7P40	0.0317448	0.69346 Down-regulated in PsA
ZNF404	0.0317512	0.858093 Down-regulated in PsA
KLC3	0.0317692	0.929041 Down-regulated in PsA
TBL1XR1	0.0317779	0.666592 Down-regulated in PsA
CTD-3184A7.4	0.0318083	1.28768 Up-regulated in PsA
KCNT1	0.0318147	0.776282 Down-regulated in PsA
ZNF32	0.0318155	0.87633 Down-regulated in PsA
RP11-492L8.1	0.0318518	1.33294 Up-regulated in PsA
RP11-368M16.3	0.0318638	0.881112 Down-regulated in PsA
WDR86-AS1	0.0318707	1.19775 Up-regulated in PsA
AC254560.1	0.0319208	0.958509 Down-regulated in PsA
AGAP1-IT1	0.0319249	1.27101 Up-regulated in PsA
HNRNPA1P63	0.0319398	0.681051 Down-regulated in PsA
RP1-303A1.1	0.0319559	1.40721 Up-regulated in PsA
MRPS33	0.0319614	0.918318 Down-regulated in PsA
RP11-5C23.2	0.0319849	0.818671 Down-regulated in PsA
CCDC28A	0.0320065	0.772925 Down-regulated in PsA
ASCL4	0.0320157	0.743518 Down-regulated in PsA
CH17-258A22.4	0.0320265	0.789003 Down-regulated in PsA
RP11-989E6.13	0.0320463	1.26582 Up-regulated in PsA

AC092569.2	0.0320762	1.44714 Up-regulated in PsA
PPARGC1B	0.0320831	0.813003 Down-regulated in PsA
MRPS31P5	0.032108	1.24451 Up-regulated in PsA
C1orf74	0.0321508	0.804788 Down-regulated in PsA
KIF6	0.0321572	1.23915 Up-regulated in PsA
MECP2	0.0321706	0.895887 Down-regulated in PsA
RP11-644F5.15	0.0321793	1.4198 Up-regulated in PsA
UMOD	0.032191	1.35733 Up-regulated in PsA
ADRB1	0.0321996	0.87253 Down-regulated in PsA
AVIL	0.0322069	0.834623 Down-regulated in PsA
HTR3D	0.0322244	1.25511 Up-regulated in PsA
NDUFAF1	0.0322305	0.689817 Down-regulated in PsA
SLC2A1	0.0322309	1.51801 Up-regulated in PsA
RN7SKP230	0.0322538	1.14442 Up-regulated in PsA
CTD-2561B21.10	0.032286	1.37345 Up-regulated in PsA
ADGRF4	0.0322956	0.750437 Down-regulated in PsA
CTD-3118D11.3	0.0322995	0.607172 Down-regulated in PsA
RP11-325O24.1	0.0323329	0.659196 Down-regulated in PsA
CCBL1	0.0323465	0.75914 Down-regulated in PsA
LOC389602	0.0323665	0.877768 Down-regulated in PsA
LA16c-17H1.3	0.0323703	0.789364 Down-regulated in PsA
MRPL38	0.0323897	1.15543 Up-regulated in PsA
MIR6782	0.032478	1.07685 Up-regulated in PsA
KRTAP5-7	0.0324992	1.11447 Up-regulated in PsA
DARS-AS1	0.0325213	0.81582 Down-regulated in PsA

RP11-355K23B.1	0.0325225	1.19434 Up-regulated in PsA
CUZD1	0.0325455	0.839599 Down-regulated in PsA
MIR371B	0.0325731	0.549336 Down-regulated in PsA
RP11-94C24.6	0.0325834	1.21592 Up-regulated in PsA
PPIL1	0.0325896	0.70441 Down-regulated in PsA
CHRNA7	0.0327134	1.11198 Up-regulated in PsA
RP11-608O8.2	0.0327687	1.12451 Up-regulated in PsA
KB-1299A7.2	0.0328241	1.42979 Up-regulated in PsA
RP11-556H2.3	0.0328302	1.33215 Up-regulated in PsA
NPHS2	0.0328324	0.910705 Down-regulated in PsA
FAM109B	0.0328351	0.874956 Down-regulated in PsA
BNIP3P32	0.03286	1.25018 Up-regulated in PsA
MOB1A	0.03286	0.871803 Down-regulated in PsA
CPNE8	0.032879	0.861782 Down-regulated in PsA
RBBP4P5	0.032884	0.784564 Down-regulated in PsA
COIL	0.0328872	0.763129 Down-regulated in PsA
CTC-428G20.2	0.0328904	1.31969 Up-regulated in PsA
SLC30A6	0.032897	0.768241 Down-regulated in PsA
NUCKS1P1	0.0329141	1.29863 Up-regulated in PsA
SPATA22	0.0329222	0.485654 Down-regulated in PsA
AC073115.6	0.0329258	1.53792 Up-regulated in PsA
RP4-665N4.4	0.0329305	1.19898 Up-regulated in PsA
GFER	0.0329331	1.34332 Up-regulated in PsA
NT5E	0.0329396	0.84031 Down-regulated in PsA
LEO1	0.0329842	0.624464 Down-regulated in PsA

RP11-407A16.8	0.0329997	0.806788 Down-regulated in PsA
RP11-795H16.3	0.0330265	0.722732 Down-regulated in PsA
LOC100652768	0.0330365	0.865339 Down-regulated in PsA
ASS1P1	0.0330623	1.13 Up-regulated in PsA
DTNA	0.0330685	0.555095 Down-regulated in PsA
EVA1C	0.0330768	1.09558 Up-regulated in PsA
CTD-2396E7.7	0.0330873	1.23178 Up-regulated in PsA
PDRG1	0.0330897	0.83748 Down-regulated in PsA
RP5-845O24.8	0.03309	1.37085 Up-regulated in PsA
Y_RNA	0.0331134	1.40406 Up-regulated in PsA
SNORD87	0.0331141	0.850836 Down-regulated in PsA
AC093074.1	0.0331156	0.860503 Down-regulated in PsA
DEFA4	0.0331501	0.863931 Down-regulated in PsA
LOC101928441	0.0331745	1.30645 Up-regulated in PsA
FRYL	0.0331854	0.891533 Down-regulated in PsA
SHANK3	0.0332205	0.838114 Down-regulated in PsA
CERS2	0.0332323	0.868363 Down-regulated in PsA
RP11-404P21.9	0.0332684	1.1352 Up-regulated in PsA
LRRC30	0.0332722	0.807957 Down-regulated in PsA
CTD-2313J17.1	0.0332758	0.734658 Down-regulated in PsA
RP11-68I18.2	0.0333267	1.14277 Up-regulated in PsA
RN7SL300P	0.0333303	1.35903 Up-regulated in PsA
STX18-IT1	0.0333335	1.49625 Up-regulated in PsA
SNORD88A	0.0333336	1.18234 Up-regulated in PsA
RP11-613M5.2	0.0333364	1.11122 Up-regulated in PsA

RP11-122C5.2	0.0333449	1.18138 Up-regulated in PsA
MIR654	0.0333529	1.27751 Up-regulated in PsA
TPD52L3	0.0333795	0.764217 Down-regulated in PsA
ZNF627	0.0333859	1.16945 Up-regulated in PsA
LOC102724264	0.0333879	1.27161 Up-regulated in PsA
PIK3IP1-AS1	0.033389	0.770218 Down-regulated in PsA
RP11-170N16.1	0.0334123	0.900287 Down-regulated in PsA
RP11-305L7.3	0.033447	1.30757 Up-regulated in PsA
DISC2	0.0334528	0.534228 Down-regulated in PsA
CTA-276O3.4	0.0334563	1.18185 Up-regulated in PsA
CDCA4	0.0334605	1.15513 Up-regulated in PsA
APOBEC1	0.0334798	1.42404 Up-regulated in PsA
PCMTD1	0.0334905	0.655904 Down-regulated in PsA
DCAF7	0.0335113	0.80636 Down-regulated in PsA
SCAMP5	0.0335117	1.37524 Up-regulated in PsA
Y_RNA	0.0335273	0.77067 Down-regulated in PsA
HSPE1P16	0.0335279	0.825767 Down-regulated in PsA
RP11-453N18.1	0.0335355	0.6924 Down-regulated in PsA
IL34	0.0335424	1.10746 Up-regulated in PsA
RCC2	0.0335572	0.887127 Down-regulated in PsA
FLG-AS1	0.0335834	0.809182 Down-regulated in PsA
RP11-241F15.5	0.0335952	1.134 Up-regulated in PsA
INSIG2	0.0336002	0.523545 Down-regulated in PsA
RP11-415C15.1	0.0336146	0.858145 Down-regulated in PsA
RPL23AP63	0.0336218	1.30062 Up-regulated in PsA

UGGT1	0.0336562	0.82359 Down-regulated in PsA
RP11-475A13.2	0.0337003	0.830198 Down-regulated in PsA
MGC16142	0.0337094	0.759407 Down-regulated in PsA
KRT17P5	0.0337113	1.17124 Up-regulated in PsA
RP11-1079K10.1	0.0337178	1.4187 Up-regulated in PsA
AFF2-IT1	0.0337209	1.12363 Up-regulated in PsA
RP11-383F6.1	0.0337212	0.885545 Down-regulated in PsA
RP11-338C15.2	0.0337443	1.40901 Up-regulated in PsA
AGAP13P	0.0337687	1.23558 Up-regulated in PsA
RN7SL362P	0.0338225	1.35585 Up-regulated in PsA
RP5-1077B9.5	0.0338332	1.16664 Up-regulated in PsA
ERMARD	0.0338392	0.61129 Down-regulated in PsA
PRSS29P	0.033841	1.3125 Up-regulated in PsA
ZNF33B	0.033849	0.717258 Down-regulated in PsA
RP11-626G11.1	0.0338494	0.907283 Down-regulated in PsA
LOC101928475	0.0338506	0.809671 Down-regulated in PsA
RP11-334E15.1	0.0338977	0.783096 Down-regulated in PsA
MTND2P22	0.0339258	1.30614 Up-regulated in PsA
CTD-2331H12.5	0.0339263	0.538511 Down-regulated in PsA
RN7SL484P	0.0339425	1.24401 Up-regulated in PsA
RBM44	0.0339469	1.28707 Up-regulated in PsA
EFCAB7	0.0339561	0.53028 Down-regulated in PsA
UBALD2	0.0339871	1.16944 Up-regulated in PsA
LOC101928371	0.0339969	0.851336 Down-regulated in PsA
DACH2	0.0340202	0.720064 Down-regulated in PsA

MROH2A	0.0341395	0.78921 Down-regulated in PsA
NDUFA5P4	0.0341614	1.14547 Up-regulated in PsA
MIR4462	0.0341921	0.693542 Down-regulated in PsA
TRIM46	0.034225	1.09183 Up-regulated in PsA
PRUNE	0.0342333	0.906033 Down-regulated in PsA
INPP5D	0.0342491	0.841161 Down-regulated in PsA
NCK1	0.0342585	0.682148 Down-regulated in PsA
NKRF	0.0343012	0.798459 Down-regulated in PsA
RP1-3J17.3	0.0343047	1.1102 Up-regulated in PsA
MTERF1	0.0343409	0.692154 Down-regulated in PsA
TMEM14EP	0.0343446	0.583037 Down-regulated in PsA
MROH1	0.0343666	1.08321 Up-regulated in PsA
MIR5088	0.0343746	1.0827 Up-regulated in PsA
RP11-337N6.1	0.0343777	1.13726 Up-regulated in PsA
RPS6KC1	0.0344008	0.73826 Down-regulated in PsA
RP11-757G14.3	0.0344023	1.11224 Up-regulated in PsA
RP11-757G14.3	0.0344023	1.11224 Up-regulated in PsA
RP11-613M5.1	0.0344177	0.778212 Down-regulated in PsA
MAGEB2	0.0344218	1.03298 Up-regulated in PsA
RP11-112N19.1	0.0344555	1.33336 Up-regulated in PsA
RN7SL464P	0.0344682	1.28113 Up-regulated in PsA
KCNG1	0.034473	0.784315 Down-regulated in PsA
ERN1	0.0344748	1.19033 Up-regulated in PsA
RN7SL397P	0.0345171	1.3971 Up-regulated in PsA
BIRC6-AS2	0.0345323	0.864056 Down-regulated in PsA



RP4-781K5.2	0.0345652	1.13092 Up-regulated in PsA
HOMER3	0.0345758	0.879374 Down-regulated in PsA
LLNLR-276E7.1	0.0345785	1.10127 Up-regulated in PsA
CTD-2249K22.1	0.0345815	1.61297 Up-regulated in PsA
LILRA6	0.0345865	0.806884 Down-regulated in PsA
HDX	0.034615	0.68155 Down-regulated in PsA
RP3-514P16.1	0.0346189	0.839939 Down-regulated in PsA
AC073063.10	0.0346467	0.65254 Down-regulated in PsA
RP11-517B11.6	0.0346868	1.28504 Up-regulated in PsA
TMEM54	0.0347083	1.12392 Up-regulated in PsA
RP11-122K13.7	0.034718	0.828156 Down-regulated in PsA
SRD5A3	0.0347243	0.765566 Down-regulated in PsA
RP11-798G7.8	0.0347253	0.660445 Down-regulated in PsA
LOC101928323	0.0347342	1.16114 Up-regulated in PsA
STARD7-AS1	0.034754	1.12772 Up-regulated in PsA
RP11-690C23.5	0.0347988	1.05736 Up-regulated in PsA
KRTAP10-7	0.0348261	1.30604 Up-regulated in PsA
ALDH3A2	0.0348378	0.823091 Down-regulated in PsA
RARS2	0.0349166	0.933271 Down-regulated in PsA
AP001059.5	0.0349173	1.19415 Up-regulated in PsA
FAM183CP	0.0349427	1.36673 Up-regulated in PsA
AC137934.1	0.0349478	0.776323 Down-regulated in PsA
CTD-2012I17.1	0.0349662	0.584195 Down-regulated in PsA
BHLHA9	0.0350084	0.879862 Down-regulated in PsA
FAM129A	0.0350103	0.772888 Down-regulated in PsA

HYPM	0.035016	0.928493 Down-regulated in PsA
CTD-2410N18.3	0.035025	1.03648 Up-regulated in PsA
CCL21	0.035054	1.40557 Up-regulated in PsA
CBX1	0.0351074	0.802936 Down-regulated in PsA
IFNW1	0.035133	1.2622 Up-regulated in PsA
CCDC153	0.035146	0.894497 Down-regulated in PsA
GMPPB	0.0351462	0.762754 Down-regulated in PsA
API5P1	0.0351464	0.668939 Down-regulated in PsA
AC011242.5	0.0352121	1.27992 Up-regulated in PsA
RP11-26L20.4	0.0352197	1.12595 Up-regulated in PsA
RP11-445P17.6	0.0352392	1.45903 Up-regulated in PsA
AC004129.9	0.0352621	1.10813 Up-regulated in PsA
CDC5L	0.0352833	0.698373 Down-regulated in PsA
MIR1228	0.0352879	1.19474 Up-regulated in PsA
LINC00506	0.0352915	1.17373 Up-regulated in PsA
RP11-432I5.4	0.0352926	0.737328 Down-regulated in PsA
RPL23AP44	0.0353015	1.16808 Up-regulated in PsA
SLFN12	0.035324	0.572376 Down-regulated in PsA
MTATP6P15	0.0353435	0.772443 Down-regulated in PsA
Metazoa_SRP	0.0353761	0.864471 Down-regulated in PsA
ASB5	0.0354539	1.15825 Up-regulated in PsA
C11orf54	0.0354574	0.747229 Down-regulated in PsA
AP000560.3	0.0354631	1.47547 Up-regulated in PsA
RP11-190D6.2	0.0354798	1.31212 Up-regulated in PsA
MIR4480	0.0355016	1.31034 Up-regulated in PsA

EFCAB13	0.0355017	2.04819 Up-regulated in PsA
RP13-347D8.1	0.0355291	0.85108 Down-regulated in PsA
MIR4746	0.0355302	1.20361 Up-regulated in PsA
CCIN	0.0355367	0.83452 Down-regulated in PsA
RP11-312A15.2	0.0356204	1.26887 Up-regulated in PsA
AC008060.5	0.035642	1.19449 Up-regulated in PsA
DCAF8L1	0.0356432	0.824748 Down-regulated in PsA
RP11-259O2.1	0.0356558	1.07908 Up-regulated in PsA
XRCC6P5	0.0357117	0.846163 Down-regulated in PsA
RP11-432M8.2	0.0357132	1.17162 Up-regulated in PsA
RP11-697E22.1	0.0357158	0.781726 Down-regulated in PsA
SERPINA6	0.035731	0.794916 Down-regulated in PsA
CYP2C61P	0.035738	0.673946 Down-regulated in PsA
AC093326.3	0.0357694	0.785678 Down-regulated in PsA
RP11-326E7.1	0.0357703	0.924814 Down-regulated in PsA
RP11-333A23.2	0.0357864	0.704892 Down-regulated in PsA
ELK3	0.0358054	0.779113 Down-regulated in PsA
DEFB104A	0.035807	1.11874 Up-regulated in PsA
RP11-684N3.1	0.0358149	1.27502 Up-regulated in PsA
RP11-89K18.1	0.0358209	1.12609 Up-regulated in PsA
QRFPR	0.0358283	0.855099 Down-regulated in PsA
APIP	0.0358544	0.683758 Down-regulated in PsA
RP5-1193P9.2	0.0358715	0.680693 Down-regulated in PsA
RP11-90P5.2	0.0358725	0.894098 Down-regulated in PsA
SNORA40	0.0358774	0.8348 Down-regulated in PsA

RP11-751K21.1	0.0358835	1.09722 Up-regulated in PsA
INPP4B	0.0358901	0.711149 Down-regulated in PsA
LINC00692	0.0359252	0.901072 Down-regulated in PsA
MIR329-1	0.0359269	1.51459 Up-regulated in PsA
FSHR	0.0359327	1.16423 Up-regulated in PsA
RP11-19P22.7	0.0359612	0.775298 Down-regulated in PsA
SNAR-A3	0.0359829	1.16163 Up-regulated in PsA
SNAR-A3	0.0359829	1.16163 Up-regulated in PsA
SNAR-A3	0.0359829	1.16163 Up-regulated in PsA
SNAR-A3	0.0359829	1.16163 Up-regulated in PsA
SNAR-A4	0.0359829	1.16163 Up-regulated in PsA
SNAR-A5	0.0359829	1.16163 Up-regulated in PsA
SNAR-A7	0.0359829	1.16163 Up-regulated in PsA
SNAR-A6	0.0359829	1.16163 Up-regulated in PsA
SNAR-A8	0.0359829	1.16163 Up-regulated in PsA
RNU6-45P	0.0360393	1.14133 Up-regulated in PsA
ZNF564	0.0360515	0.845244 Down-regulated in PsA
SNORA40	0.0360754	0.866823 Down-regulated in PsA
PRPH2	0.0360846	0.861925 Down-regulated in PsA
RTKN	0.0361046	1.13533 Up-regulated in PsA
RWDD3	0.0361065	0.800592 Down-regulated in PsA
RP3-399J4.3	0.0361255	1.3224 Up-regulated in PsA
PPBP	0.03613	4.53139 Up-regulated in PsA
RP5-945F2.2	0.0361352	1.09102 Up-regulated in PsA
RP5-1037N22.2	0.0361528	1.11018 Up-regulated in PsA

LOC101929261	0.0362125	1.19633 Up-regulated in PsA
SCN4B	0.0362327	0.853344 Down-regulated in PsA
RP3-441A12.1	0.0362435	0.681339 Down-regulated in PsA
LILRA4	0.036245	1.45462 Up-regulated in PsA
WDR12	0.0362458	0.541091 Down-regulated in PsA
SORBS3	0.0362501	0.781425 Down-regulated in PsA
AKIP1	0.0362625	0.816163 Down-regulated in PsA
CD276	0.0363278	0.90596 Down-regulated in PsA
OR2T11	0.0363345	1.18046 Up-regulated in PsA
ZNF787	0.0363358	1.1581 Up-regulated in PsA
SKA2	0.0363486	0.934373 Down-regulated in PsA
RNF38	0.0363494	1.21798 Up-regulated in PsA
RP11-69M1.3	0.0363601	0.838132 Down-regulated in PsA
DENND1B	0.0363659	0.772221 Down-regulated in PsA
LDB2	0.0363763	1.46343 Up-regulated in PsA
ARHGAP15	0.0363973	0.418178 Down-regulated in PsA
ZBTB40	0.0364218	0.816841 Down-regulated in PsA
LILRP2	0.0364284	0.713719 Down-regulated in PsA
TPRG1	0.0364432	0.454708 Down-regulated in PsA
AC010872.1	0.0364809	1.22806 Up-regulated in PsA
ZNF780A	0.0365172	0.707327 Down-regulated in PsA
STAU2-AS1	0.0365172	0.59981 Down-regulated in PsA
MIR5705	0.0365313	1.18242 Up-regulated in PsA
RP4-541C22.5	0.0365421	0.949013 Down-regulated in PsA
PDCL	0.0365431	0.870319 Down-regulated in PsA

AC090505.5	0.0365504	1.25503 Up-regulated in PsA
KCNC4-AS1	0.0365806	1.48288 Up-regulated in PsA
RP11-123O10.1	0.0365909	1.16506 Up-regulated in PsA
RN7SKP249	0.0365981	1.08019 Up-regulated in PsA
TACO1	0.036601	0.714487 Down-regulated in PsA
OR9G1	0.0366068	1.55151 Up-regulated in PsA
SMARCE1P4	0.0366226	1.23848 Up-regulated in PsA
RP11-64I5.1	0.036631	1.21654 Up-regulated in PsA
SLC50A1	0.0366361	1.1491 Up-regulated in PsA
LOC101928225	0.0366466	1.38422 Up-regulated in PsA
LINC00278	0.0366713	0.802727 Down-regulated in PsA
pRNA	0.036673	1.12081 Up-regulated in PsA
CYCSP5	0.0367043	0.664112 Down-regulated in PsA
RB1	0.0367168	0.801083 Down-regulated in PsA
SMARCAL1	0.0367217	0.619922 Down-regulated in PsA
LA16c-2F2.5	0.0367332	1.06198 Up-regulated in PsA
RP11-276H7.2	0.0367645	1.2161 Up-regulated in PsA
RP11-91A18.4	0.0367888	1.23442 Up-regulated in PsA
LOC102724539	0.0367966	1.33967 Up-regulated in PsA
AC068134.8	0.036799	0.731184 Down-regulated in PsA
RN7SKP235	0.0368574	1.29633 Up-regulated in PsA
RP11-423E7.1	0.0368585	1.41171 Up-regulated in PsA
CNTNAP3P2	0.0368736	0.84189 Down-regulated in PsA
SLC26A11	0.0368798	0.824562 Down-regulated in PsA
SMIM6	0.0368903	1.13271 Up-regulated in PsA

PDHX	0.0369721	0.646206 Down-regulated in PsA
SHH	0.036975	1.17271 Up-regulated in PsA
RPL23P11	0.0369897	1.5491 Up-regulated in PsA
DIS3L	0.0369908	0.819203 Down-regulated in PsA
CLCN5	0.0369925	0.733226 Down-regulated in PsA
UCA1	0.0370029	0.907474 Down-regulated in PsA
RP11-162N7.1	0.0370802	1.41341 Up-regulated in PsA
LINC01070	0.0371163	0.771344 Down-regulated in PsA
RP11-522B15.6	0.0371203	1.2361 Up-regulated in PsA
KRT17P4	0.037124	1.18579 Up-regulated in PsA
MTCO2P23	0.0371293	1.89595 Up-regulated in PsA
RP11-666A20.3	0.0371446	1.10195 Up-regulated in PsA
BNIP3P38	0.0371585	0.777573 Down-regulated in PsA
HNRNPA1P15	0.0371654	0.799977 Down-regulated in PsA
AAGAB	0.0371662	0.876318 Down-regulated in PsA
XXbac-BPG181B23.6	0.0371732	1.32064 Up-regulated in PsA
RP11-716D19.1	0.0372192	0.739561 Down-regulated in PsA
WBSCR28	0.0372245	0.810532 Down-regulated in PsA
CTB-129O4.1	0.0372398	1.27079 Up-regulated in PsA
ST20-MTHFS	0.0373558	0.722315 Down-regulated in PsA
C10orf90	0.0373607	0.605212 Down-regulated in PsA
RP11-82O19.1	0.0373798	1.13991 Up-regulated in PsA
RP11-553L6.2	0.037389	1.49869 Up-regulated in PsA
AKNAD1	0.0373955	0.893662 Down-regulated in PsA
LINGO1	0.037444	1.07977 Up-regulated in PsA

RP11-362K14.7	0.0374512	1.2267 Up-regulated in PsA
PRKD3	0.0374551	0.765009 Down-regulated in PsA
UBTF	0.0374853	0.860412 Down-regulated in PsA
AC016735.1	0.0375036	0.976342 Down-regulated in PsA
RP11-142O6.1	0.0375534	1.72022 Up-regulated in PsA
SMKR1	0.0375677	0.851924 Down-regulated in PsA
BIK	0.0375872	1.3217 Up-regulated in PsA
MED28P7	0.0375971	0.868292 Down-regulated in PsA
SLC25A24	0.037602	0.675654 Down-regulated in PsA
RPS7P7	0.0376036	0.827875 Down-regulated in PsA
ATG101	0.0376058	0.804784 Down-regulated in PsA
Y_RNA	0.0376192	1.17003 Up-regulated in PsA
TMEM55A	0.0376266	0.755625 Down-regulated in PsA
RAB8A	0.0376384	0.914253 Down-regulated in PsA
XXbac-B444P24.14	0.0376572	1.18736 Up-regulated in PsA
MIR4283-2	0.0376621	0.888333 Down-regulated in PsA
ARL6IP1	0.0376626	0.855527 Down-regulated in PsA
FPGT	0.0376787	0.50427 Down-regulated in PsA
CPLX3	0.0376915	1.10589 Up-regulated in PsA
RP11-636N17.1	0.0376981	0.870514 Down-regulated in PsA
BLM	0.0377007	0.740259 Down-regulated in PsA
VKORC1L1	0.0377122	0.740304 Down-regulated in PsA
HAS1	0.0377399	1.39336 Up-regulated in PsA
ZNF484	0.0377674	0.837318 Down-regulated in PsA
JAGN1	0.0377789	0.837914 Down-regulated in PsA



TMEM178A	0.0377913	0.780666 Down-regulated in PsA
LRPPRC	0.0378322	0.803524 Down-regulated in PsA
NPTN-IT1	0.037833	0.711858 Down-regulated in PsA
TERT	0.0378559	1.16165 Up-regulated in PsA
RN7SL83P	0.0378798	1.05986 Up-regulated in PsA
RP11-609N14.4	0.0378861	1.17735 Up-regulated in PsA
MINA	0.0379202	0.761075 Down-regulated in PsA
RP11-452L6.5	0.0379674	1.15174 Up-regulated in PsA
HGFAC	0.0379722	0.827451 Down-regulated in PsA
CYP4A22	0.03798	1.33657 Up-regulated in PsA
FBXO45	0.037981	0.566868 Down-regulated in PsA
RP11-4M23.3	0.0379907	0.90936 Down-regulated in PsA
PLEKHA8	0.0379948	0.864241 Down-regulated in PsA
API5P2	0.0379966	0.793871 Down-regulated in PsA
FHL5	0.0380089	1.04806 Up-regulated in PsA
FAM86C2P	0.0380195	1.25346 Up-regulated in PsA
TRAPPC2L	0.0380442	0.737323 Down-regulated in PsA
LOC100505658	0.0380922	1.31567 Up-regulated in PsA
LYAR	0.0381005	0.609435 Down-regulated in PsA
GS1-279B7.2	0.038108	0.758162 Down-regulated in PsA
FGFRL1	0.0381087	0.817604 Down-regulated in PsA
RP11-255G12.2	0.0381093	1.23604 Up-regulated in PsA
SPHK2	0.0381161	0.913409 Down-regulated in PsA
WFDC3	0.038137	1.08871 Up-regulated in PsA
TMEM107	0.0381576	0.819865 Down-regulated in PsA

RBM27	0.0381905	0.828562 Down-regulated in PsA
CDK2AP1	0.0381961	0.829119 Down-regulated in PsA
Y_RNA	0.0381997	0.710288 Down-regulated in PsA
MIR203A	0.0382084	0.775436 Down-regulated in PsA
LINC00622	0.0382167	0.757911 Down-regulated in PsA
NTS	0.0382257	0.7376 Down-regulated in PsA
RP5-856G1.1	0.0382467	1.31463 Up-regulated in PsA
RP11-536P16.2	0.0382618	1.36559 Up-regulated in PsA
RP11-666E17.1	0.0383155	1.56153 Up-regulated in PsA
NUBP1	0.0383357	0.761193 Down-regulated in PsA
RN7SL340P	0.0384147	1.09326 Up-regulated in PsA
FUK	0.038432	0.785462 Down-regulated in PsA
POLQ	0.0384368	0.511374 Down-regulated in PsA
GALNTL5	0.0384534	0.635781 Down-regulated in PsA
IGBP1P4	0.0384973	1.18796 Up-regulated in PsA
ZNF205	0.0385187	0.792162 Down-regulated in PsA
ECI2	0.0385245	0.749065 Down-regulated in PsA
TMEM151B	0.0385257	1.20236 Up-regulated in PsA
ACOX2	0.0385664	1.36287 Up-regulated in PsA
AC113618.2	0.0385673	1.40879 Up-regulated in PsA
KLHL30	0.0385725	0.756761 Down-regulated in PsA
GRB14	0.0385785	0.824645 Down-regulated in PsA
NXPE4	0.0386206	0.740751 Down-regulated in PsA
TIMMDC1	0.0386259	0.778631 Down-regulated in PsA
POLR2J3	0.0387103	1.16214 Up-regulated in PsA

Y_RNA	0.0387294	0.924905 Down-regulated in PsA
TMEM106A	0.0387415	0.602046 Down-regulated in PsA
OR13F1	0.0387603	0.69956 Down-regulated in PsA
BAG2	0.0387787	0.484624 Down-regulated in PsA
RP11-861L17.2	0.0387973	1.34262 Up-regulated in PsA
CTB-57H20.1	0.0388053	0.60382 Down-regulated in PsA
NBN	0.0388164	0.744317 Down-regulated in PsA
SH2D5	0.0388176	1.19231 Up-regulated in PsA
RP11-432M8.11	0.0388513	1.42744 Up-regulated in PsA
RP1-251M9.2	0.0389058	1.36541 Up-regulated in PsA
PRR29	0.0389211	0.829447 Down-regulated in PsA
AMMECR1	0.0389225	0.921242 Down-regulated in PsA
RP11-476J6.1	0.0389288	0.667343 Down-regulated in PsA
ERCC4	0.0389565	0.5603 Down-regulated in PsA
RP11-413M3.4	0.0389724	1.32971 Up-regulated in PsA
C18orf12	0.038983	1.23297 Up-regulated in PsA
PSMC1P13	0.0389994	1.18488 Up-regulated in PsA
MTND3P17	0.0390074	0.85957 Down-regulated in PsA
RP11-102F4.2	0.0390271	1.19135 Up-regulated in PsA
NT5DC1	0.0391153	0.868158 Down-regulated in PsA
GABRE	0.0391172	1.39163 Up-regulated in PsA
PLXDC2	0.0391324	0.920773 Down-regulated in PsA
LOC101927292	0.0391464	0.858861 Down-regulated in PsA
MIR328	0.0391631	1.15179 Up-regulated in PsA
MYL12B	0.0391858	0.881678 Down-regulated in PsA

COX6B1P2	0.0392213	1.18362 Up-regulated in PsA
GJA6P	0.0392464	0.562336 Down-regulated in PsA
TLR10	0.0392684	0.491266 Down-regulated in PsA
RP11-420K8.1	0.0393005	0.65256 Down-regulated in PsA
LINC00652	0.0393051	0.678946 Down-regulated in PsA
RP11-74H8.1	0.0393284	1.19622 Up-regulated in PsA
RP11-96K19.2	0.0393367	0.765307 Down-regulated in PsA
RHOT2	0.0393646	1.12327 Up-regulated in PsA
RP11-455O6.2	0.0393841	1.42145 Up-regulated in PsA
TSPY1	0.0393857	0.78078 Down-regulated in PsA
NUS1P1	0.0393965	0.84684 Down-regulated in PsA
GOT2P5	0.0394335	1.28943 Up-regulated in PsA
NR2F6	0.0394797	1.29485 Up-regulated in PsA
C4orf32	0.0395189	0.868704 Down-regulated in PsA
TES	0.0395451	0.782409 Down-regulated in PsA
RN7SL452P	0.0396032	1.47027 Up-regulated in PsA
MYOF	0.0396447	0.583242 Down-regulated in PsA
DCAF13P3	0.0396581	0.687675 Down-regulated in PsA
RP11-239E10.3	0.0396867	0.889898 Down-regulated in PsA
HOXD-AS2	0.039713	1.30174 Up-regulated in PsA
RP11-666A1.4	0.0397405	1.36738 Up-regulated in PsA
DLGAP3	0.0397513	0.704752 Down-regulated in PsA
RP11-342K6.2	0.0397597	0.653239 Down-regulated in PsA
RP11-219I21.1	0.0397896	1.24181 Up-regulated in PsA
RAB27A	0.0397933	0.766708 Down-regulated in PsA

ARHGAP19-SLIT1	0.0397987	0.781832 Down-regulated in PsA
HELLS	0.0398404	1.25305 Up-regulated in PsA
FOXI1	0.0398489	0.907273 Down-regulated in PsA
RP11-428G2.1	0.0398997	0.729951 Down-regulated in PsA
ZNF546	0.0398998	0.931738 Down-regulated in PsA
AC007879.6	0.0399109	1.42783 Up-regulated in PsA
EIF3EP2	0.0399132	1.62409 Up-regulated in PsA
RP11-243J16.8	0.0399224	1.18259 Up-regulated in PsA
ENAH	0.0399505	1.41075 Up-regulated in PsA
RP11-15G8.1	0.039982	1.53449 Up-regulated in PsA
RP1-90J20.2	0.0400238	1.39544 Up-regulated in PsA
CES5AP1	0.0400753	1.28599 Up-regulated in PsA
TIGIT	0.0400803	1.38548 Up-regulated in PsA
LVRN	0.0401106	0.774401 Down-regulated in PsA
FAM127B	0.0401208	0.870488 Down-regulated in PsA
TTC33	0.0401801	0.467688 Down-regulated in PsA
PYGM	0.0401853	1.18099 Up-regulated in PsA
C10orf111	0.0401871	1.43967 Up-regulated in PsA
MZB1	0.0401913	1.68284 Up-regulated in PsA
HSPA8	0.0402059	0.845128 Down-regulated in PsA
RP11-536C10.10	0.0403203	1.15674 Up-regulated in PsA
C17orf77	0.0403485	1.2512 Up-regulated in PsA
RP11-113K21.1	0.0403505	1.23149 Up-regulated in PsA
B3GNT7	0.0403911	0.780481 Down-regulated in PsA
SNORD38	0.0403915	0.750388 Down-regulated in PsA

STAM	0.0404085	0.820643 Down-regulated in PsA
MIR103B2	0.0404117	0.810463 Down-regulated in PsA
DLX3	0.0405341	0.90549 Down-regulated in PsA
KCTD15	0.0405721	1.0218 Up-regulated in PsA
EIF4E2	0.0406009	0.892851 Down-regulated in PsA
MIR4316	0.0406383	1.17502 Up-regulated in PsA
CTC-436K13.6	0.0406539	1.63336 Up-regulated in PsA
MIR4774	0.0406543	0.692692 Down-regulated in PsA
RP11-359P18.5	0.0406586	1.48595 Up-regulated in PsA
NVL	0.0406709	0.751349 Down-regulated in PsA
IFNL4P1	0.040715	1.14674 Up-regulated in PsA
IFITM1	0.0407218	1.3716 Up-regulated in PsA
RP11-325O24.5	0.0407632	1.44766 Up-regulated in PsA
TONSL	0.040833	0.823483 Down-regulated in PsA
HSPA1L	0.0408776	0.869676 Down-regulated in PsA
ZNF786	0.0408944	0.760729 Down-regulated in PsA
PLSCR4	0.0409321	0.695669 Down-regulated in PsA
MTCO3P17	0.0409717	0.867943 Down-regulated in PsA
LOC100128554	0.0409739	1.44067 Up-regulated in PsA
TMEM185A	0.0409752	0.845585 Down-regulated in PsA
ATP8B1	0.0410065	0.489571 Down-regulated in PsA
CELF1	0.041026	0.895449 Down-regulated in PsA
CTD-2013N17.6	0.0410345	0.791349 Down-regulated in PsA
NPY	0.0410559	1.06896 Up-regulated in PsA
DTX2	0.0410804	1.08811 Up-regulated in PsA

RP11-240G22.1	0.0410955	0.811706 Down-regulated in PsA
RP11-225B17.1	0.0411084	0.760168 Down-regulated in PsA
ST20-AS1	0.041132	0.792106 Down-regulated in PsA
CDON	0.0411333	0.641965 Down-regulated in PsA
C18orf42	0.0411589	0.715935 Down-regulated in PsA
TSPY14P	0.0411703	1.23923 Up-regulated in PsA
MIR3692	0.0411762	1.61451 Up-regulated in PsA
MIR523	0.0411888	1.40728 Up-regulated in PsA
ZSCAN2	0.0412108	0.796817 Down-regulated in PsA
RN7SL845P	0.0412399	1.17775 Up-regulated in PsA
YAE1D1	0.0412609	0.415976 Down-regulated in PsA
RP11-666O2.5	0.0412665	1.10931 Up-regulated in PsA
RP11-129B9.1	0.041273	0.962286 Down-regulated in PsA
RP11-1399P15.1	0.041314	0.825979 Down-regulated in PsA
VTRNA1-3	0.0413143	1.42876 Up-regulated in PsA
HIF1AP1	0.0413197	1.4847 Up-regulated in PsA
LINC01021	0.0413725	0.856742 Down-regulated in PsA
RP11-236J17.6	0.0413774	0.783512 Down-regulated in PsA
SLC39A11	0.0413851	0.852239 Down-regulated in PsA
RP11-737O24.5	0.0414037	1.27219 Up-regulated in PsA
MIR6068	0.041439	1.16991 Up-regulated in PsA
TFF3	0.0414537	0.809001 Down-regulated in PsA
AC083875.2	0.0414561	0.799365 Down-regulated in PsA
Y_RNA	0.0415042	1.27859 Up-regulated in PsA
Metazoa_SRP	0.0415226	1.41453 Up-regulated in PsA

RP11-449P1.1	0.041548	1.09686 Up-regulated in PsA
NRN1L	0.0415521	1.18582 Up-regulated in PsA
RP11-571M6.18	0.0415817	1.09394 Up-regulated in PsA
TYW1B	0.0415959	0.655241 Down-regulated in PsA
TCEB1P30	0.0416125	0.768971 Down-regulated in PsA
KIAA2022	0.0416434	0.527109 Down-regulated in PsA
LCN12	0.041672	0.802293 Down-regulated in PsA
RP11-989E6.3	0.0416803	1.22631 Up-regulated in PsA
SLIT1-AS1	0.0417173	1.54009 Up-regulated in PsA
TCP1	0.0417218	0.799676 Down-regulated in PsA
RN7SL834P	0.0417558	0.884299 Down-regulated in PsA
ARHGEF39	0.0417723	0.67165 Down-regulated in PsA
RP5-1163L11.2	0.0418073	1.31571 Up-regulated in PsA
BIRC6	0.0418337	0.829271 Down-regulated in PsA
OR4E1	0.0418358	1.03492 Up-regulated in PsA
RPL21P112	0.041866	0.716047 Down-regulated in PsA
BTBD3	0.0418739	0.842632 Down-regulated in PsA
DFFA	0.0418897	0.703108 Down-regulated in PsA
RP11-315I20.1	0.0419027	1.30345 Up-regulated in PsA
AC006445.7	0.0419123	1.11773 Up-regulated in PsA
CHST15	0.0419161	0.771654 Down-regulated in PsA
MYCNOS	0.0419384	1.3062 Up-regulated in PsA
POLR3GP2	0.0419418	1.22303 Up-regulated in PsA
RP5-919F19.5	0.0419557	1.4853 Up-regulated in PsA
AC092071.1	0.0419657	1.23972 Up-regulated in PsA



YBEY	0.0419667	0.296686 Down-regulated in PsA
EPHB1	0.0420257	1.37569 Up-regulated in PsA
LOC101929723	0.0420288	0.83993 Down-regulated in PsA
TNS2	0.0420527	1.10864 Up-regulated in PsA
GNB3	0.0420545	1.05382 Up-regulated in PsA
MSH2	0.0420625	0.49034 Down-regulated in PsA
ADIPOQ	0.042106	0.896843 Down-regulated in PsA
RPE65	0.0421174	0.749081 Down-regulated in PsA
IQSEC2	0.0421539	0.935876 Down-regulated in PsA
PLXNC1	0.0421679	0.816225 Down-regulated in PsA
RNA5SP484	0.0422561	1.34866 Up-regulated in PsA
RP11-803D5.1	0.0422818	0.538036 Down-regulated in PsA
RIF1	0.0423357	1.31662 Up-regulated in PsA
PSMD2	0.0423367	0.798864 Down-regulated in PsA
DIDO1	0.0423433	0.885964 Down-regulated in PsA
TIAL1	0.0423566	0.884024 Down-regulated in PsA
RP11-17G12.2	0.0423675	1.05013 Up-regulated in PsA
RP11-56B16.5	0.0423751	1.3179 Up-regulated in PsA
RN7SL538P	0.0423863	1.5004 Up-regulated in PsA
RP11-182E7.1	0.0424214	1.15443 Up-regulated in PsA
EIF1AD	0.0424453	0.821971 Down-regulated in PsA
MAP2K6	0.0424516	0.700403 Down-regulated in PsA
RN7SL314P	0.042476	1.1985 Up-regulated in PsA
ABCE1	0.0425862	0.763275 Down-regulated in PsA
TCF12	0.0426052	0.750535 Down-regulated in PsA

RP11-521B24.5	0.0426116	1.23872 Up-regulated in PsA
RP11-471B22.2	0.0426636	0.950337 Down-regulated in PsA
BBOX1	0.0426717	1.31701 Up-regulated in PsA
AL050303.10	0.0426799	1.40207 Up-regulated in PsA
RP11-88I18.2	0.0426824	0.450051 Down-regulated in PsA
XKR8	0.0426988	1.21121 Up-regulated in PsA
MOXD1	0.0427049	1.26167 Up-regulated in PsA
RP1-131F15.2	0.0427875	1.23156 Up-regulated in PsA
SPEF1	0.0428185	0.754548 Down-regulated in PsA
MTCO1P28	0.0428656	1.32937 Up-regulated in PsA
Y_RNA	0.0428949	1.19364 Up-regulated in PsA
EIF2B4	0.0429006	0.863847 Down-regulated in PsA
MIR320B1	0.0429021	1.5184 Up-regulated in PsA
RP11-18O11.1	0.0429098	1.30044 Up-regulated in PsA
RP11-467P9.1	0.0429298	1.08503 Up-regulated in PsA
MIR4520-2	0.0429781	0.838398 Down-regulated in PsA
TMEM216	0.0429939	0.853228 Down-regulated in PsA
CBR3	0.0430077	0.66133 Down-regulated in PsA
C11orf57	0.0430093	0.706504 Down-regulated in PsA
ADPRH	0.0430095	0.807917 Down-regulated in PsA
FTH1P12	0.0430221	1.08309 Up-regulated in PsA
CTD-2620I22.2	0.0430221	0.874252 Down-regulated in PsA
LINC01571	0.0430289	0.761442 Down-regulated in PsA
TDO2	0.0430335	0.656721 Down-regulated in PsA
HNCAT21	0.0430396	1.21111 Up-regulated in PsA

Y_RNA	0.043056	1.06708 Up-regulated in PsA
GABRQ	0.043084	0.750789 Down-regulated in PsA
RP11-343D2.11	0.0430893	0.736209 Down-regulated in PsA
RN7SL513P	0.0431073	1.4155 Up-regulated in PsA
RP11-1060G2.2	0.0431246	1.28688 Up-regulated in PsA
SNORD99	0.0431773	1.23466 Up-regulated in PsA
LOC100287632	0.0431892	0.781942 Down-regulated in PsA
XPA	0.0432098	0.701987 Down-regulated in PsA
RP11-545A16.3	0.0432119	1.11336 Up-regulated in PsA
IDO1	0.043219	0.869346 Down-regulated in PsA
ARNTL	0.0432254	0.801228 Down-regulated in PsA
PKM	0.043228	0.886129 Down-regulated in PsA
WI2-88277B6.1	0.0432449	1.13436 Up-regulated in PsA
CC2D2B	0.0432573	0.49821 Down-regulated in PsA
IGBP1-AS1	0.0433002	0.67492 Down-regulated in PsA
MRPS28	0.043371	0.670346 Down-regulated in PsA
CTD-3193K9.3	0.0433764	0.67312 Down-regulated in PsA
ALS2CL	0.0433791	0.823267 Down-regulated in PsA
FOXJ1	0.0433852	1.18553 Up-regulated in PsA
ARL2BP	0.0434055	0.814123 Down-regulated in PsA
RP11-805F19.3	0.0434542	1.17231 Up-regulated in PsA
LGALS13	0.0434645	0.777559 Down-regulated in PsA
RP3-521E19.3	0.0434706	1.14245 Up-regulated in PsA
OR4X2	0.0434755	0.838863 Down-regulated in PsA
LINC00336	0.0434802	1.27899 Up-regulated in PsA

RP11-857B24.1	0.0434903	1.07578 Up-regulated in PsA
POT1	0.0434923	0.719305 Down-regulated in PsA
USP17L3	0.0434959	0.75065 Down-regulated in PsA
SCG5	0.0435159	1.21333 Up-regulated in PsA
FOXD4L5	0.0435273	0.817762 Down-regulated in PsA
RPL31P15	0.0435305	0.766325 Down-regulated in PsA
RPS8P6	0.0435409	1.12997 Up-regulated in PsA
AC006026.13	0.0435421	0.799596 Down-regulated in PsA
C15orf62	0.0435908	0.699108 Down-regulated in PsA
Metazoa_SRP	0.0435967	1.34684 Up-regulated in PsA
MIR4452	0.0436074	1.43023 Up-regulated in PsA
RP11-660L16.2	0.0436076	1.28853 Up-regulated in PsA
FAM174B	0.0436522	0.893177 Down-regulated in PsA
KRT8P29	0.0436688	1.56961 Up-regulated in PsA
OSGEP	0.043684	0.806287 Down-regulated in PsA
AC009237.16	0.0437039	1.35544 Up-regulated in PsA
LINC00909	0.0437358	0.691776 Down-regulated in PsA
LRIG1	0.043751	0.853764 Down-regulated in PsA
TMEM165	0.0437572	0.635082 Down-regulated in PsA
HDDC2	0.0437581	0.722591 Down-regulated in PsA
PPHLN1	0.04376	0.900165 Down-regulated in PsA
RP11-655G22.2	0.0437608	1.3061 Up-regulated in PsA
RP11-24J19.1	0.0437748	1.06822 Up-regulated in PsA
SSU72P1	0.04378	0.662723 Down-regulated in PsA
STK19	0.0437861	0.795134 Down-regulated in PsA

RBPJP2	0.0437947	0.729923 Down-regulated in PsA
LOC728024	0.0438117	0.68354 Down-regulated in PsA
RPS4XP4	0.0438546	1.35721 Up-regulated in PsA
DGKD	0.0438934	0.767928 Down-regulated in PsA
CTC-480C2.1	0.0438947	1.25841 Up-regulated in PsA
CDKN2B-AS1	0.0439001	0.676653 Down-regulated in PsA
AP1AR	0.0439217	0.624806 Down-regulated in PsA
RP11-309M23.1	0.0439263	0.732353 Down-regulated in PsA
RP11-309M23.1	0.0439263	0.732353 Down-regulated in PsA
TNFRSF13B	0.0439299	1.03286 Up-regulated in PsA
RP11-432M8.4	0.0439409	1.23137 Up-regulated in PsA
EDAR	0.043941	1.07753 Up-regulated in PsA
PRORY	0.0439493	0.759397 Down-regulated in PsA
CICP10	0.0439748	1.16576 Up-regulated in PsA
RP11-569G9.7	0.0439801	0.802539 Down-regulated in PsA
RP11-462L8.2	0.043984	0.872386 Down-regulated in PsA
SPAG16	0.043985	0.881294 Down-regulated in PsA
RP11-109M19.1	0.0439902	1.4593 Up-regulated in PsA
RPS27P22	0.0440264	1.19604 Up-regulated in PsA
UBE2J2	0.0440438	0.750234 Down-regulated in PsA
LINC01572	0.0440586	1.29033 Up-regulated in PsA
SRP14-AS1	0.0440777	0.637111 Down-regulated in PsA
RN7SL756P	0.0441002	1.27958 Up-regulated in PsA
EPRS	0.0441325	0.767188 Down-regulated in PsA
MEAF6P1	0.0441348	1.23138 Up-regulated in PsA

RP11-452G18.1	0.0441762	0.789995 Down-regulated in PsA
LOC101927915	0.0442082	0.825059 Down-regulated in PsA
RP11-312A15.3	0.0442193	1.10293 Up-regulated in PsA
LOC102724502	0.0442298	1.2186 Up-regulated in PsA
MFHAS1	0.0442598	0.837865 Down-regulated in PsA
RP11-291L22.4	0.0442611	0.782562 Down-regulated in PsA
RP11-316J7.4	0.0442668	1.46498 Up-regulated in PsA
CTD-3064H18.4	0.0442676	1.3753 Up-regulated in PsA
CYCSP27	0.044315	0.730553 Down-regulated in PsA
CSPG4P1Y	0.0443328	1.70263 Up-regulated in PsA
RP11-332J15.3	0.0443652	1.16619 Up-regulated in PsA
RP11-5P18.11	0.0443715	1.09266 Up-regulated in PsA
ARL14EPL	0.0443716	0.760522 Down-regulated in PsA
PQLC2	0.044373	0.75672 Down-regulated in PsA
RP11-275I4.2	0.044388	0.704935 Down-regulated in PsA
TAL2	0.0444149	0.698817 Down-regulated in PsA
KDM4A-AS1	0.0444244	0.909005 Down-regulated in PsA
LOC645513	0.0444354	0.841026 Down-regulated in PsA
PCAT14	0.0444358	1.24917 Up-regulated in PsA
CYP4F8	0.0444453	0.915337 Down-regulated in PsA
RP11-575C1.1	0.0444637	0.72765 Down-regulated in PsA
DDX39BP2	0.0444866	0.700923 Down-regulated in PsA
RP11-813B8.1	0.0445204	1.15556 Up-regulated in PsA
HYAL3	0.0445319	0.606236 Down-regulated in PsA
RP11-358D17.1	0.0445638	1.15798 Up-regulated in PsA

ZNF568	0.0445844	0.645403 Down-regulated in PsA
FOXO6	0.0445918	1.1657 Up-regulated in PsA
DDX55	0.0447003	0.916156 Down-regulated in PsA
CAPN1	0.0447247	0.935332 Down-regulated in PsA
LINC00463	0.044772	1.2467 Up-regulated in PsA
RP11-814H16.2	0.0447805	0.844357 Down-regulated in PsA
RPS17P11	0.04479	1.30166 Up-regulated in PsA
H19_3	0.0447981	0.797057 Down-regulated in PsA
NIPA2	0.0448349	1.29299 Up-regulated in PsA
HRK	0.0448435	0.910863 Down-regulated in PsA
ZBED5-AS1	0.0448682	0.673125 Down-regulated in PsA
MORC2	0.0448998	0.85425 Down-regulated in PsA
PRPF38B	0.0449274	0.826173 Down-regulated in PsA
INSR	0.0449552	0.78806 Down-regulated in PsA
MTG2	0.0449578	0.802245 Down-regulated in PsA
RP11-735A19.2	0.0449595	1.21217 Up-regulated in PsA
GSTO2	0.0449912	0.854778 Down-regulated in PsA
GAS5-AS1	0.045012	0.476191 Down-regulated in PsA
TAF15	0.0450143	0.910167 Down-regulated in PsA
POU2F1	0.0450603	0.755019 Down-regulated in PsA
SSU72P3	0.0450848	1.35072 Up-regulated in PsA
PHBP8	0.0450921	0.837559 Down-regulated in PsA
RP11-301G19.1	0.0451037	1.18124 Up-regulated in PsA
RP11-335K5.2	0.0451398	1.12941 Up-regulated in PsA
RP1-130G2.1	0.0451715	0.880288 Down-regulated in PsA

NLK	0.0451718	0.787657 Down-regulated in PsA
TMPO-AS1	0.0452041	0.822038 Down-regulated in PsA
SURF4	0.0452137	0.870432 Down-regulated in PsA
RP11-79P5.3	0.0452452	1.08995 Up-regulated in PsA
RP11-300A12.2	0.0452489	0.688773 Down-regulated in PsA
BLOC1S2	0.0452542	0.794096 Down-regulated in PsA
FLG-AS1	0.0452778	1.36952 Up-regulated in PsA
RP11-483G21.3	0.0453144	1.08249 Up-regulated in PsA
LINC01143	0.0453703	1.23966 Up-regulated in PsA
NUP50	0.045409	0.6174 Down-regulated in PsA
OR4S1	0.0454094	1.08579 Up-regulated in PsA
ZNF860	0.045431	0.828176 Down-regulated in PsA
RIF1	0.0454323	0.747668 Down-regulated in PsA
RP11-556H2.2	0.0454599	0.617361 Down-regulated in PsA
RNF41	0.0454614	0.84845 Down-regulated in PsA
SETD6P1	0.0454928	0.752541 Down-regulated in PsA
RP11-700H6.2	0.0454932	0.782272 Down-regulated in PsA
ZNF35	0.0455028	0.731868 Down-regulated in PsA
RP11-457P14.6	0.0455391	0.77687 Down-regulated in PsA
RP11-574K11.8	0.0455606	0.688416 Down-regulated in PsA
RP11-634H22.1	0.045564	1.2079 Up-regulated in PsA
SLC26A1	0.0455847	1.08612 Up-regulated in PsA
RP11-403P14.1	0.0456263	0.661096 Down-regulated in PsA
TARDBPP2	0.0456269	0.829023 Down-regulated in PsA
HMCN2	0.045637	0.818177 Down-regulated in PsA



AMDHD1	0.0456493	0.879505 Down-regulated in PsA
RN7SL113P	0.0456525	1.1382 Up-regulated in PsA
CARD16	0.0456626	0.826278 Down-regulated in PsA
SLC30A2	0.0456755	1.11985 Up-regulated in PsA
TMEM202	0.045712	0.852313 Down-regulated in PsA
PXK	0.0457197	0.914961 Down-regulated in PsA
SRGAP2D	0.0457304	0.866789 Down-regulated in PsA
LOC102724200	0.0457319	0.777412 Down-regulated in PsA
NR5A1	0.0457395	0.690137 Down-regulated in PsA
AC113167.2	0.0457494	0.845925 Down-regulated in PsA
PACRG-AS3	0.0457897	0.79759 Down-regulated in PsA
BTN2A3P	0.0458001	0.775969 Down-regulated in PsA
PRRC2CP1	0.0458265	0.772977 Down-regulated in PsA
MACROD2-IT1	0.045842	1.19691 Up-regulated in PsA
C1orf109	0.0458634	0.848073 Down-regulated in PsA
RN7SL79P	0.0458851	1.40636 Up-regulated in PsA
ZNF132	0.0458894	0.627574 Down-regulated in PsA
CTB-33O18.2	0.0459138	0.761303 Down-regulated in PsA
SDHDP1	0.0459557	0.804428 Down-regulated in PsA
RP11-174O3.3	0.0459749	0.647851 Down-regulated in PsA
RP11-521C20.3	0.0459982	0.72081 Down-regulated in PsA
KCNA6	0.0460471	1.2519 Up-regulated in PsA
ERP29	0.046063	0.792474 Down-regulated in PsA
STK32C	0.0460691	0.756166 Down-regulated in PsA
RAB2B	0.0460821	0.726235 Down-regulated in PsA

CDY2A	0.0460925	1.28608 Up-regulated in PsA
RP11-419L4.1	0.0461204	0.797195 Down-regulated in PsA
TAF1D	0.0461349	0.777175 Down-regulated in PsA
WDR33	0.0461901	0.859339 Down-regulated in PsA
RP11-59H7.1	0.0461987	1.18223 Up-regulated in PsA
VPS50	0.0462003	0.649536 Down-regulated in PsA
AC005625.1	0.0462337	1.39621 Up-regulated in PsA
MCM10	0.0462348	0.716286 Down-regulated in PsA
LILRB4	0.0462366	0.693579 Down-regulated in PsA
CBX3P9	0.0463068	0.747957 Down-regulated in PsA
CTC-338M12.1	0.0463095	1.17791 Up-regulated in PsA
RFC2	0.0463431	0.748393 Down-regulated in PsA
KEAP1	0.0463475	0.787989 Down-regulated in PsA
RP11-196G18.1	0.0463492	1.28577 Up-regulated in PsA
RP11-327F22.6	0.0463671	0.634811 Down-regulated in PsA
ZNF502	0.0463871	0.623741 Down-regulated in PsA
SNORD115-48	0.0464005	1.22965 Up-regulated in PsA
AC006942.4	0.0464336	1.10561 Up-regulated in PsA
HMGB1P19	0.0464614	0.660718 Down-regulated in PsA
LOC101927637	0.0464815	0.818499 Down-regulated in PsA
LRMP	0.0464829	0.879556 Down-regulated in PsA
RPS15AP27	0.0464836	0.792324 Down-regulated in PsA
CTB-164N12.1	0.0464874	0.688946 Down-regulated in PsA
RP11-277A4.4	0.0464987	1.53174 Up-regulated in PsA
SLC37A3	0.0465542	1.29882 Up-regulated in PsA

TAS2R13	0.0465637	1.15289 Up-regulated in PsA
CA2	0.0465769	0.590866 Down-regulated in PsA
POLR3A	0.0466138	0.684474 Down-regulated in PsA
MUC13	0.0466384	1.24603 Up-regulated in PsA
PRKY	0.04664	0.766577 Down-regulated in PsA
TINF2	0.0466437	0.86253 Down-regulated in PsA
RP4-614N24.1	0.0466508	0.743064 Down-regulated in PsA
RIBC1	0.0466512	1.05111 Up-regulated in PsA
RP11-596D21.1	0.0466601	0.840672 Down-regulated in PsA
PCGEM1	0.046676	0.775562 Down-regulated in PsA
ARL2-SNX15	0.0466919	0.859722 Down-regulated in PsA
RP11-142G1.3	0.0467318	1.50001 Up-regulated in PsA
C10orf53	0.0467601	0.633605 Down-regulated in PsA
C2orf42	0.0467633	0.689628 Down-regulated in PsA
GUCY2GP	0.0467643	1.30926 Up-regulated in PsA
RN7SL796P	0.046772	1.19459 Up-regulated in PsA
CARD17	0.046778	0.78939 Down-regulated in PsA
MIR4468	0.0468051	1.24703 Up-regulated in PsA
TMF1P1	0.0468146	0.725124 Down-regulated in PsA
RP11-467D18.2	0.0468294	1.43961 Up-regulated in PsA
RP11-480G7.2	0.0468294	1.34983 Up-regulated in PsA
SYCP1	0.0468547	0.73088 Down-regulated in PsA
KRT18P7	0.0468575	0.92939 Down-regulated in PsA
RP11-493L12.5	0.0468613	1.06918 Up-regulated in PsA
DEFB106B	0.0469067	0.914115 Down-regulated in PsA

ID2	0.0469126	0.959673 Down-regulated in PsA
DNM1P35	0.0469856	1.14199 Up-regulated in PsA
TGIF2-C20orf24	0.0470179	0.809053 Down-regulated in PsA
MYRFL	0.0470415	0.590101 Down-regulated in PsA
HIF3A	0.0470449	0.888884 Down-regulated in PsA
AP000936.4	0.0470473	1.36269 Up-regulated in PsA
RP11-440J4.2	0.047083	1.41697 Up-regulated in PsA
AIMP1	0.0470861	0.907044 Down-regulated in PsA
CLDN17	0.0471618	0.794788 Down-regulated in PsA
F11-AS1	0.0471633	1.09788 Up-regulated in PsA
IKBKB	0.0471825	0.646689 Down-regulated in PsA
CYP51A1P2	0.0471897	1.3091 Up-regulated in PsA
YME1L1	0.0472061	0.808339 Down-regulated in PsA
RN7SL183P	0.0472188	1.18083 Up-regulated in PsA
RPS3AP43	0.0472205	0.825806 Down-regulated in PsA
VGLL4	0.0472486	0.8191 Down-regulated in PsA
HIP1R	0.0472695	1.13327 Up-regulated in PsA
MKKS	0.0472712	0.536633 Down-regulated in PsA
RP11-884K10.7	0.0472733	0.581556 Down-regulated in PsA
RP11-113E21.3	0.0472911	0.892122 Down-regulated in PsA
BCL2L14	0.0472959	0.880456 Down-regulated in PsA
AC093850.1	0.0473851	1.27894 Up-regulated in PsA
RPL21P28	0.0474009	0.912595 Down-regulated in PsA
EPB41L1	0.047422	0.803128 Down-regulated in PsA
ZCCHC5	0.0474404	1.23144 Up-regulated in PsA

AC008592.5	0.0474458	0.901883 Down-regulated in PsA
MIR6780B	0.0474498	1.1585 Up-regulated in PsA
Y_RNA	0.0474597	1.89194 Up-regulated in PsA
RN7SL815P	0.0474749	1.48592 Up-regulated in PsA
C8orf87	0.0475187	0.727192 Down-regulated in PsA
CTD-2062F14.3	0.0475598	1.31072 Up-regulated in PsA
RN7SL787P	0.0475648	1.11513 Up-regulated in PsA
FLJ46284	0.0476033	0.512586 Down-regulated in PsA
AC006133.3	0.0476133	1.14398 Up-regulated in PsA
PTCD2P2	0.0476352	0.755491 Down-regulated in PsA
RP11-182L7.1	0.0476461	1.58501 Up-regulated in PsA
PLA2G4A	0.0476546	0.661331 Down-regulated in PsA
AC067945.2	0.0476556	0.75111 Down-regulated in PsA
OR9A2	0.0476859	0.833184 Down-regulated in PsA
RP11-85G18.6	0.0477033	1.35653 Up-regulated in PsA
USP16	0.0477433	0.853294 Down-regulated in PsA
NKX2-5	0.047744	0.817954 Down-regulated in PsA
RP11-622C24.1	0.0477919	0.763157 Down-regulated in PsA
EML4	0.0478134	0.795303 Down-regulated in PsA
DYNLT1	0.0478243	0.843825 Down-regulated in PsA
ZNF587P1	0.0478256	0.81302 Down-regulated in PsA
MTND6P33	0.04793	1.23416 Up-regulated in PsA
RP11-567B20.1	0.0479329	1.28966 Up-regulated in PsA
MTCYBP9	0.0479355	0.826529 Down-regulated in PsA
TDRD7	0.0479358	0.751329 Down-regulated in PsA

DTX3	0.0479509	0.745226 Down-regulated in PsA
DGUOK	0.0479893	0.860819 Down-regulated in PsA
FMO6P	0.0480346	1.32902 Up-regulated in PsA
RP11-47A8.5	0.0480358	1.16993 Up-regulated in PsA
bP-21201H5.2	0.0480398	0.401065 Down-regulated in PsA
PRR4	0.0480486	0.582164 Down-regulated in PsA
GLRX5	0.0480625	0.901084 Down-regulated in PsA
MIR6512	0.0480729	1.10941 Up-regulated in PsA
RPL36AP41	0.0481057	0.889649 Down-regulated in PsA
KIAA1456	0.0481605	1.16662 Up-regulated in PsA
PRAMEF9	0.0481676	0.89509 Down-regulated in PsA
MIR23A	0.0481703	1.33884 Up-regulated in PsA
NSUN2	0.0481771	0.77048 Down-regulated in PsA
EDEM2	0.048181	0.88874 Down-regulated in PsA
ZNF775	0.0482074	0.9397 Down-regulated in PsA
CTC-366B18.4	0.0482252	0.662996 Down-regulated in PsA
RP5-1112D6.8	0.0482516	0.486985 Down-regulated in PsA
ABCG8	0.0482626	0.896946 Down-regulated in PsA
DEFB126	0.0482653	0.816187 Down-regulated in PsA
SLC35B3	0.0482809	0.520394 Down-regulated in PsA
BX842568.4	0.0482839	1.30738 Up-regulated in PsA
LINC00488	0.0482933	1.73816 Up-regulated in PsA
DPP3P2	0.048297	0.799491 Down-regulated in PsA
CHIC2	0.0482999	0.703045 Down-regulated in PsA
TCEB1P5	0.0483126	0.782294 Down-regulated in PsA

C6orf203	0.0483285	0.80889 Down-regulated in PsA
UBR3	0.0483313	0.772356 Down-regulated in PsA
DCAF8	0.0483647	0.829344 Down-regulated in PsA
RP11-13M3.1	0.048365	1.73108 Up-regulated in PsA
NUP210	0.0483721	0.808567 Down-regulated in PsA
APC	0.0483943	0.817557 Down-regulated in PsA
NOB1	0.0483946	0.876966 Down-regulated in PsA
P3H3	0.0484023	1.16724 Up-regulated in PsA
ZFAND6	0.0484792	0.81675 Down-regulated in PsA
AGO3	0.0484845	0.751993 Down-regulated in PsA
RP11-182N22.9	0.0484995	1.2939 Up-regulated in PsA
LINC00284	0.048517	0.799284 Down-regulated in PsA
ANAPC1P1	0.0485214	0.697473 Down-regulated in PsA
TRIM32	0.0485413	0.672483 Down-regulated in PsA
HIST1H2BM	0.0485894	1.60167 Up-regulated in PsA
RP11-580I16.2	0.0486138	0.872654 Down-regulated in PsA
C21orf58	0.0486145	0.691364 Down-regulated in PsA
RP11-388E23.2	0.0486523	1.1711 Up-regulated in PsA
RP11-799M12.2	0.0486901	0.424517 Down-regulated in PsA
MIR3130-2	0.0487054	0.812464 Down-regulated in PsA
ADAM24P	0.0487152	1.22391 Up-regulated in PsA
CTC-436P18.4	0.0487166	1.11897 Up-regulated in PsA
LOC100506858	0.0487291	1.11784 Up-regulated in PsA
RFWD2	0.0487315	0.7693 Down-regulated in PsA
GGT7	0.0487393	0.819082 Down-regulated in PsA

RECQL5	0.0487451	0.787332 Down-regulated in PsA
RP11-585K6.2	0.0487696	1.1982 Up-regulated in PsA
ATP2B4	0.0487986	0.829928 Down-regulated in PsA
RP11-27M5.1	0.0488695	0.859464 Down-regulated in PsA
RANGAP1	0.0488697	0.912863 Down-regulated in PsA
ACLY	0.0488781	0.846947 Down-regulated in PsA
GPR143	0.0489021	1.06384 Up-regulated in PsA
LL22NC03-30E12.13	0.0489092	0.920143 Down-regulated in PsA
GPC2	0.0489365	0.780743 Down-regulated in PsA
RP11-510M2.1	0.04894	1.30249 Up-regulated in PsA
RP11-400N13.1	0.0489501	1.31173 Up-regulated in PsA
RP11-94D20.1	0.0489707	1.21928 Up-regulated in PsA
RP11-72M10.4	0.0490007	1.18392 Up-regulated in PsA
RP11-75D3.1	0.0490092	0.797983 Down-regulated in PsA
RPL7A	0.049028	1.02943 Up-regulated in PsA
IL20RB-AS1	0.0490495	1.2024 Up-regulated in PsA
BMP15	0.0490515	0.809734 Down-regulated in PsA
TRAPPC9	0.0490627	1.2215 Up-regulated in PsA
RP11-298O21.2	0.0490821	0.728398 Down-regulated in PsA
RP11-848D3.4	0.0491019	1.24315 Up-regulated in PsA
AC012593.1	0.0491159	0.657887 Down-regulated in PsA
UTP20	0.0491199	0.595066 Down-regulated in PsA
TRAM2	0.0491283	0.795822 Down-regulated in PsA
RP4-635A23.4	0.0491592	0.76447 Down-regulated in PsA
RP11-686F15.2	0.0491811	0.746976 Down-regulated in PsA



RNU6-101P	0.0491852	1.0603 Up-regulated in PsA
RP11-98D18.17	0.0491921	1.1035 Up-regulated in PsA
RP11-226P1.1	0.0491997	0.665215 Down-regulated in PsA
ENKUR	0.0492017	1.40405 Up-regulated in PsA
KLF13	0.0492147	0.710764 Down-regulated in PsA
CHRND	0.0492755	0.790776 Down-regulated in PsA
LOC284788	0.049277	1.24844 Up-regulated in PsA
RP11-1000B6.2	0.0492781	1.24727 Up-regulated in PsA
RP11-386M24.8	0.0492862	0.92627 Down-regulated in PsA
RP11-555G19.2	0.0492965	0.661768 Down-regulated in PsA
ANKRD27	0.0493031	0.668384 Down-regulated in PsA
SCARNA23	0.0493115	1.91568 Up-regulated in PsA
ATG4A	0.0493226	0.705562 Down-regulated in PsA
P2RX2	0.0493339	0.818287 Down-regulated in PsA
KDM3B	0.0493652	0.815604 Down-regulated in PsA
PEX6	0.0493675	0.845834 Down-regulated in PsA
AP000962.1	0.0493726	0.636498 Down-regulated in PsA
SMPD3	0.0493779	1.36935 Up-regulated in PsA
THEM5	0.0493835	1.20234 Up-regulated in PsA
LINC01080	0.0493919	0.689799 Down-regulated in PsA
DEFB123	0.0494022	0.791234 Down-regulated in PsA
C2orf88	0.0494174	1.32627 Up-regulated in PsA
RP11-240E2.2	0.049424	0.732995 Down-regulated in PsA
RP11-295G20.2	0.0494321	0.814687 Down-regulated in PsA
RP11-115A15.4	0.0494605	1.34107 Up-regulated in PsA

PKNOX2-AS1	0.0494718	0.843678 Down-regulated in PsA
LUC7L	0.0494759	0.829749 Down-regulated in PsA
MIR6829	0.049495	1.20317 Up-regulated in PsA
AC007365.4	0.0494964	1.30377 Up-regulated in PsA
WSCD2	0.0495189	0.664841 Down-regulated in PsA
ZNF546	0.0495353	0.903616 Down-regulated in PsA
AC074117.13	0.0495549	0.879415 Down-regulated in PsA
HMG2N2P1	0.0495912	0.793912 Down-regulated in PsA
CTD-2534J5.1	0.0496075	0.802192 Down-regulated in PsA
AC005943.6	0.0496353	1.26054 Up-regulated in PsA
MIR302C	0.0496642	0.804858 Down-regulated in PsA
FGF22	0.0496875	0.840509 Down-regulated in PsA
LOC339059	0.0497279	1.14757 Up-regulated in PsA
SNORD4A	0.0497368	1.30849 Up-regulated in PsA
RP11-548K12.2	0.0497571	1.32019 Up-regulated in PsA
RP11-148O21.4	0.0497598	0.706894 Down-regulated in PsA
CTD-2282P23.1	0.0497667	1.3466 Up-regulated in PsA
RNF138P2	0.0497668	1.10276 Up-regulated in PsA
ZCWPW2	0.0497748	0.898568 Down-regulated in PsA
RP11-335O13.8	0.0497798	1.20831 Up-regulated in PsA
LOC105369785	0.0497902	1.31082 Up-regulated in PsA
RP11-62H7.3	0.0498165	0.830792 Down-regulated in PsA
MSX2	0.0498247	0.82666 Down-regulated in PsA
AMD1P2	0.049828	1.20477 Up-regulated in PsA
AMD1P2	0.049828	1.20477 Up-regulated in PsA

NIPBL	0.0498919	0.68871 Down-regulated in PsA
FCRL6	0.0499101	1.19096 Up-regulated in PsA
E2F3P1	0.0499363	1.07991 Up-regulated in PsA
LCMT1-AS1	0.0499427	0.855509 Down-regulated in PsA
SRIP3	0.049943	0.911923 Down-regulated in PsA
RUNDC3A	0.049977	0.86613 Down-regulated in PsA
CTC-281M20.3	0.0499888	1.16983 Up-regulated in PsA
FAM66B	0.0499955	1.19834 Up-regulated in PsA

**Supplementary Table S3. The output result of pathway enrichment analysis by Partek Genomics Suite 7.0 based on the up-regulated genes in PsA samples.** Enrichment -p-value was calculated based on hyper-geometric distribution.

Pathway Name	Enrichment		Pathway ID
	Database	Score	
Cytokine-cytokine receptor interaction	kegg	4.94864	0.00709306 kegg_pathway_27
PPAR signaling pathway	kegg	4.03418	0.0177002 kegg_pathway_13
Phenylalanine, tyrosine and tryptophan biosynthesis	kegg	2.7063	0.0667835 kegg_pathway_271
Olfactory transduction	kegg	2.50101	0.0820019 kegg_pathway_100
Synaptic vesicle cycle	kegg	2.36201	0.0942306 kegg_pathway_91
Taste transduction	kegg	2.27745	0.102545 kegg_pathway_101
Nicotine addiction	kegg	2.26308	0.10403 kegg_pathway_148
Chemokine signaling pathway	kegg	2.1217	0.119828 kegg_pathway_28
Protein digestion and absorption	kegg	2.07102	0.126057 kegg_pathway_135
Basal transcription factors	kegg	2.06781	0.126463 kegg_pathway_8
Cysteine and methionine metabolism	kegg	2.03196	0.131079 kegg_pathway_262
Sphingolipid metabolism	kegg	1.99706	0.135734 kegg_pathway_299
Ubiquinone and other terpenoid-quinone biosynthesis	kegg	1.95819	0.141114 kegg_pathway_253
Regulation of lipolysis in adipocytes	kegg	1.74786	0.174147 kegg_pathway_118
Insulin resistance	kegg	1.68802	0.184886 kegg_pathway_122
Neuroactive ligand-receptor interaction	kegg	1.68478	0.185485 kegg_pathway_34
Glycosphingolipid biosynthesis - ganglio series	kegg	1.67463	0.187377 kegg_pathway_302
Serotonergic synapse	kegg	1.61526	0.198839 kegg_pathway_96
Phenylalanine metabolism	kegg	1.56267	0.209575 kegg_pathway_269
Primary bile acid biosynthesis	kegg	1.56267	0.209575 kegg_pathway_252

Mitophagy - animal	kegg	1.49536	0.224167	kegg_pathway_223
Alcoholism	kegg	1.45252	0.233979	kegg_pathway_149
Axon guidance	kegg	1.43995	0.23694	kegg_pathway_59
Adipocytokine signaling pathway	kegg	1.40851	0.244508	kegg_pathway_115
Relaxin signaling pathway	kegg	1.33093	0.264232	kegg_pathway_55
Biosynthesis of amino acids	kegg	1.30921	0.270033	kegg_pathway_330
Mannose type O-glycan biosynthesis	kegg	1.29966	0.272625	kegg_pathway_284
Histidine metabolism	kegg	1.29966	0.272625	kegg_pathway_267
Proximal tubule bicarbonate reclamation	kegg	1.29966	0.272625	kegg_pathway_129
ECM-receptor interaction	kegg	1.16859	0.310805	kegg_pathway_64
Fatty acid elongation	kegg	1.16519	0.311864	kegg_pathway_248
Peroxisome	kegg	1.1524	0.315877	kegg_pathway_46
Retrograde endocannabinoid signaling	kegg	1.10296	0.331887	kegg_pathway_93
cAMP signaling pathway	kegg	1.10243	0.332063	kegg_pathway_26
Regulation of actin cytoskeleton	kegg	1.09304	0.335196	kegg_pathway_104
Non-alcoholic fatty liver disease (NAFLD)	kegg	1.09165	0.335663	kegg_pathway_123
Pentose phosphate pathway	kegg	1.07907	0.33991	kegg_pathway_242
Ribosome	kegg	1.06941	0.343212	kegg_pathway_3
GABAergic synapse	kegg	1.06098	0.346117	kegg_pathway_97
RNA polymerase	kegg	1.05267	0.349005	kegg_pathway_7
beta-Alanine metabolism	kegg	1.05267	0.349005	kegg_pathway_272
Morphine addiction	kegg	1.03252	0.356107	kegg_pathway_147
Autophagy - other	kegg	1.02729	0.357976	kegg_pathway_224
PI3K-Akt signaling pathway	kegg	1.02609	0.358404	kegg_pathway_48
Small cell lung cancer	kegg	1.005	0.366044	kegg_pathway_191

Apoptosis - multiple species	kegg	1.00287	0.366824	kegg_pathway_211
Fructose and mannose metabolism	kegg	1.00287	0.366824	kegg_pathway_244
Base excision repair	kegg	0.979361	0.375551	kegg_pathway_14
SNARE interactions in vesicular transport	kegg	0.979361	0.375551	kegg_pathway_40
Endocrine resistance	kegg	0.978371	0.375923	kegg_pathway_215
Amoebiasis	kegg	0.965379	0.380839	kegg_pathway_163
Circadian entrainment	kegg	0.952592	0.38574	kegg_pathway_89
Tyrosine metabolism	kegg	0.934837	0.39265	kegg_pathway_268
Starch and sucrose metabolism	kegg	0.934837	0.39265	kegg_pathway_279
DNA replication	kegg	0.934837	0.39265	kegg_pathway_9
HIF-1 signaling pathway	kegg	0.915439	0.400341	kegg_pathway_30
AGE-RAGE signaling pathway in diabetic complications	kegg	0.915439	0.400341	kegg_pathway_208
Primary immunodeficiency	kegg	0.913734	0.401024	kegg_pathway_202
NF-kappa B signaling pathway	kegg	0.903441	0.405173	kegg_pathway_29
Glucagon signaling pathway	kegg	0.891632	0.409986	kegg_pathway_117
Ferroptosis	kegg	0.854566	0.425468	kegg_pathway_225
Endocytosis	kegg	0.846186	0.429048	kegg_pathway_44
Pathways in cancer	kegg	0.812625	0.443692	kegg_pathway_173
Fatty acid degradation	kegg	0.784105	0.456528	kegg_pathway_249
Cholinergic synapse	kegg	0.782997	0.457034	kegg_pathway_95
Hedgehog signaling pathway	kegg	0.751989	0.471428	kegg_pathway_57
Intestinal immune network for IgA production	kegg	0.751989	0.471428	kegg_pathway_87
Notch signaling pathway	kegg	0.721703	0.485924	kegg_pathway_56
Ovarian steroidogenesis	kegg	0.707199	0.493023	kegg_pathway_108

Huntington disease	kegg	0.699397	0.496885	kegg_pathway_143
Arginine and proline metabolism	kegg	0.693095	0.500026	kegg_pathway_266
Cholesterol metabolism	kegg	0.693095	0.500026	kegg_pathway_232
Mineral absorption	kegg	0.679378	0.506932	kegg_pathway_139
Osteoclast differentiation	kegg	0.655537	0.519163	kegg_pathway_61
Autophagy - animal	kegg	0.63932	0.527651	kegg_pathway_41
FoxO signaling pathway	kegg	0.615823	0.540196	kegg_pathway_31
Systemic lupus erythematosus	kegg	0.615823	0.540196	kegg_pathway_198
Rap1 signaling pathway	kegg	0.614356	0.540989	kegg_pathway_23
Lysine degradation	kegg	0.58181	0.558886	kegg_pathway_265
Ubiquitin mediated proteolysis	kegg	0.571641	0.564598	kegg_pathway_38
Apelin signaling pathway	kegg	0.571641	0.564598	kegg_pathway_222
Human T-cell leukemia virus 1 infection	kegg	0.545232	0.579707	kegg_pathway_170
Basal cell carcinoma	kegg	0.539927	0.582791	kegg_pathway_186
Arachidonic acid metabolism	kegg	0.539927	0.582791	kegg_pathway_296
Shigellosis	kegg	0.53007	0.588564	kegg_pathway_154
MicroRNAs in cancer	kegg	0.524122	0.592075	kegg_pathway_178
Central carbon metabolism in cancer	kegg	0.520443	0.594257	kegg_pathway_193
Retinol metabolism	kegg	0.501846	0.605412	kegg_pathway_316
Phospholipase D signaling pathway	kegg	0.499368	0.606914	kegg_pathway_207
Gastric cancer	kegg	0.493307	0.610604	kegg_pathway_231
Drug metabolism - cytochrome P450	kegg	0.492865	0.610874	kegg_pathway_323
Glycolysis / Gluconeogenesis	kegg	0.492865	0.610874	kegg_pathway_240
Renal cell carcinoma	kegg	0.492865	0.610874	kegg_pathway_180
RIG-I-like receptor signaling pathway	kegg	0.475497	0.621576	kegg_pathway_76

B cell receptor signaling pathway	kegg	0.467101	0.626817	kegg_pathway_82
p53 signaling pathway	kegg	0.458888	0.631986	kegg_pathway_37
Metabolism of xenobiotics by cytochrome P450	kegg	0.458888	0.631986	kegg_pathway_322
Adherens junction	kegg	0.458888	0.631986	kegg_pathway_66
Bile secretion	kegg	0.458888	0.631986	kegg_pathway_137
Bacterial invasion of epithelial cells	kegg	0.450854	0.637084	kegg_pathway_150
Wnt signaling pathway	kegg	0.447552	0.639191	kegg_pathway_54
Necroptosis	kegg	0.421264	0.656217	kegg_pathway_226
Complement and coagulation cascades	kegg	0.406111	0.666236	kegg_pathway_70
Chemical carcinogenesis	kegg	0.392409	0.675428	kegg_pathway_176
Alzheimer disease	kegg	0.377961	0.685257	kegg_pathway_140
Salmonella infection	kegg	0.360504	0.697325	kegg_pathway_155
Insulin secretion	kegg	0.360504	0.697325	kegg_pathway_106
Fc gamma R-mediated phagocytosis	kegg	0.331623	0.717758	kegg_pathway_84
mRNA surveillance pathway	kegg	0.331623	0.717758	kegg_pathway_5
Kaposi sarcoma-associated herpesvirus infection	kegg	0.315794	0.72921	kegg_pathway_227
Calcium signaling pathway	kegg	0.308341	0.734665	kegg_pathway_24
Glycerophospholipid metabolism	kegg	0.300455	0.740481	kegg_pathway_294
Progesterone-mediated oocyte maturation	kegg	0.295596	0.744088	kegg_pathway_109
Choline metabolism in cancer	kegg	0.290827	0.747645	kegg_pathway_194
Inflammatory mediator regulation of TRP channels	kegg	0.286146	0.751153	kegg_pathway_103
Ribosome biogenesis in eukaryotes	kegg	0.286146	0.751153	kegg_pathway_2
Focal adhesion	kegg	0.273688	0.760569	kegg_pathway_63
C-type lectin receptor signaling pathway	kegg	0.26826	0.764709	kegg_pathway_236
Carbon metabolism	kegg	0.232445	0.792593	kegg_pathway_327



Glutamatergic synapse	kegg	0.228808	0.795481	kegg_pathway_94
Thyroid hormone signaling pathway	kegg	0.221721	0.801139	kegg_pathway_114
Sphingolipid signaling pathway	kegg	0.21154	0.809337	kegg_pathway_33
Platelet activation	kegg	0.195696	0.822262	kegg_pathway_71
Cell cycle	kegg	0.195696	0.822262	kegg_pathway_35
Oocyte meiosis	kegg	0.192686	0.824741	kegg_pathway_36
Ras signaling pathway	kegg	0.184891	0.831195	kegg_pathway_22
Thermogenesis	kegg	0.184891	0.831195	kegg_pathway_234
Dopaminergic synapse	kegg	0.175651	0.838911	kegg_pathway_98
Human papillomavirus infection	kegg	0.175419	0.839105	kegg_pathway_229
Vascular smooth muscle contraction	kegg	0.172973	0.84116	kegg_pathway_53
Oxidative phosphorylation	kegg	0.167751	0.845564	kegg_pathway_255
Apoptosis	kegg	0.162698	0.849848	kegg_pathway_50
Insulin signaling pathway	kegg	0.160233	0.851945	kegg_pathway_105
Signaling pathways regulating pluripotency of stem cells	kegg	0.155423	0.856053	kegg_pathway_69
Parkinson disease	kegg	0.148494	0.862005	kegg_pathway_141
Cell adhesion molecules (CAMs)	kegg	0.146259	0.863934	kegg_pathway_65
Cushing syndrome	kegg	0.122054	0.885101	kegg_pathway_235
JAK-STAT signaling pathway	kegg	0.108294	0.897364	kegg_pathway_78
Protein processing in endoplasmic reticulum	kegg	0.106691	0.898803	kegg_pathway_42
cGMP-PKG signaling pathway	kegg	0.103561	0.901621	kegg_pathway_25
Influenza A	kegg	0.103561	0.901621	kegg_pathway_169
RNA transport	kegg	0.103561	0.901621	kegg_pathway_4
Hepatocellular carcinoma	kegg	0.102032	0.903001	kegg_pathway_230

Proteoglycans in cancer	kegg	0.0618158	0.940056	kegg_pathway_177
Viral carcinogenesis	kegg	0.0618158	0.940056	kegg_pathway_175
Human immunodeficiency virus 1 infection	kegg	0.0541975	0.947245	kegg_pathway_239
Human cytomegalovirus infection	kegg	0.043557	0.957378	kegg_pathway_238
Herpes simplex virus 1 infection	kegg	0.0321142	0.968396	kegg_pathway_171
Metabolic pathways	kegg	0.0163164	0.983816	kegg_pathway_326
MAPK signaling pathway	kegg	0.015789	0.984335	kegg_pathway_20

**Supplementary Table S4. The output result of pathway enrichment analysis by Partek Genomics Suite 7.0 based on the down-regultaed genes in PsA samples.** Enrichment -p-value was calculated based on hyper-geometric distribution.

Pathway Name	Enrichment		Pathway ID
	Database	Score	
Homologous recombination	kegg	6.93223	0.000975825 kegg_pathway_17
Protein processing in endoplasmic reticulum	kegg	6.29289	0.00184941 kegg_pathway_42
Apoptosis	kegg	4.60809	0.00997089 kegg_pathway_50
Fanconi anemia pathway	kegg	4.11426	0.0163381 kegg_pathway_19
Salivary secretion	kegg	4.08869	0.0167611 kegg_pathway_131
Tryptophan metabolism	kegg	3.93999	0.0194485 kegg_pathway_270
RNA degradation	kegg	3.93519	0.0195419 kegg_pathway_6
Ubiquitin mediated proteolysis	kegg	3.7425	0.0236948 kegg_pathway_38
Epithelial cell signaling in Helicobacter pylori infection	kegg	3.70887	0.0245052 kegg_pathway_152
Apoptosis - multiple species	kegg	3.67429	0.0253673 kegg_pathway_211
Peroxisome	kegg	3.64543	0.0261101 kegg_pathway_46
RIG-I-like receptor signaling pathway	kegg	3.63157	0.0264746 kegg_pathway_76
Basal transcription factors	kegg	3.62825	0.0265625 kegg_pathway_8
Type II diabetes mellitus	kegg	3.53113	0.0292717 kegg_pathway_121
Nucleotide excision repair	kegg	3.43715	0.0321563 kegg_pathway_15
Longevity regulating pathway	kegg	3.25252	0.0386768 kegg_pathway_210
NOD-like receptor signaling pathway	kegg	3.25014	0.0387687 kegg_pathway_75
Hepatitis B	kegg	3.15543	0.04262 kegg_pathway_167
Shigellosis	kegg	3.09963	0.0450657 kegg_pathway_154
Synaptic vesicle cycle	kegg	3.00979	0.0493022 kegg_pathway_91

TNF signaling pathway	kegg	2.88123	0.0560655 kegg_pathway_85
Fc epsilon RI signaling pathway	kegg	2.82667	0.0592098 kegg_pathway_83
Legionellosis	kegg	2.78261	0.061877 kegg_pathway_157
ErbB signaling pathway	kegg	2.71416	0.0662605 kegg_pathway_21
Fatty acid degradation	kegg	2.60779	0.0736976 kegg_pathway_249
Platinum drug resistance	kegg	2.57953	0.0758099 kegg_pathway_214
One carbon pool by folate	kegg	2.52002	0.0804581 kegg_pathway_307
Spliceosome	kegg	2.4805	0.083701 kegg_pathway_10
RNA transport	kegg	2.46055	0.0853878 kegg_pathway_4
AMPK signaling pathway	kegg	2.41828	0.0890746 kegg_pathway_49
Chronic myeloid leukemia	kegg	2.35517	0.0948774 kegg_pathway_189
Fc gamma R-mediated phagocytosis	kegg	2.34966	0.0954013 kegg_pathway_84
Notch signaling pathway	kegg	2.31549	0.0987175 kegg_pathway_56
Amino sugar and nucleotide sugar metabolism	kegg	2.31549	0.0987175 kegg_pathway_285
Terpenoid backbone biosynthesis	kegg	2.29354	0.100909 kegg_pathway_318
Insulin resistance	kegg	2.27068	0.103242 kegg_pathway_122
IL-17 signaling pathway	kegg	2.25491	0.104883 kegg_pathway_220
Ubiquinone and other terpenoid-quinone biosynthesis	kegg	2.23678	0.106802 kegg_pathway_253
Cellular senescence	kegg	2.1777	0.113302 kegg_pathway_228
Osteoclast differentiation	kegg	2.17575	0.113523 kegg_pathway_61
Toxoplasmosis	kegg	2.14512	0.117054 kegg_pathway_162
alpha-Linolenic acid metabolism	kegg	2.00294	0.134938 kegg_pathway_298
Breast cancer	kegg	2.00022	0.135306 kegg_pathway_216
Phosphatidylinositol signaling system	kegg	1.99282	0.136311 kegg_pathway_32
Biotin metabolism	kegg	1.92055	0.146527 kegg_pathway_313

B cell receptor signaling pathway	kegg	1.85071	0.157126 kegg_pathway_82
Sphingolipid signaling pathway	kegg	1.84198	0.158504 kegg_pathway_33
Glycosaminoglycan biosynthesis - keratan sulfate	kegg	1.8327	0.159981 kegg_pathway_289
Hippo signaling pathway	kegg	1.80878	0.163854 kegg_pathway_62
Toll-like receptor signaling pathway	kegg	1.76059	0.171943 kegg_pathway_74
Collecting duct acid secretion	kegg	1.75865	0.172277 kegg_pathway_130
Metabolic pathways	kegg	1.75538	0.172842 kegg_pathway_326
Porphyrin and chlorophyll metabolism	kegg	1.72437	0.178286 kegg_pathway_317
Inositol phosphate metabolism	kegg	1.71628	0.179734 kegg_pathway_292
Th1 and Th2 cell differentiation	kegg	1.71571	0.179836 kegg_pathway_218
Herpes simplex virus 1 infection	kegg	1.71163	0.180571 kegg_pathway_171
VEGF signaling pathway	kegg	1.6846	0.185518 kegg_pathway_60
Pancreatic cancer	kegg	1.67373	0.187547 kegg_pathway_181
Nicotinate and nicotinamide metabolism	kegg	1.61642	0.198608 kegg_pathway_311
Cysteine and methionine metabolism	kegg	1.5596	0.21022 kegg_pathway_262
Antifolate resistance	kegg	1.55062	0.212116 kegg_pathway_217
Longevity regulating pathway - multiple species	kegg	1.54682	0.212923 kegg_pathway_209
Endocrine resistance	kegg	1.53205	0.216093 kegg_pathway_215
Selenocompound metabolism	kegg	1.52888	0.216778 kegg_pathway_275
Autophagy - other	kegg	1.48803	0.225817 kegg_pathway_224
Dopaminergic synapse	kegg	1.46183	0.231811 kegg_pathway_98
Phenylalanine, tyrosine and tryptophan biosynthesis	kegg	1.46056	0.232106 kegg_pathway_271
2-Oxocarboxylic acid metabolism	kegg	1.44343	0.236117 kegg_pathway_328
Fructose and mannose metabolism	kegg	1.42845	0.239681 kegg_pathway_244
Ovarian steroidogenesis	kegg	1.41217	0.243613 kegg_pathway_108

Pathways in cancer	kegg	1.3864	0.249973 kegg_pathway_173
HIF-1 signaling pathway	kegg	1.36754	0.254734 kegg_pathway_30
Inflammatory mediator regulation of TRP channels	kegg	1.36754	0.254734 kegg_pathway_103
Glycosaminoglycan degradation	kegg	1.36436	0.255544 kegg_pathway_287
MAPK signaling pathway	kegg	1.35261	0.258564 kegg_pathway_20
NF-kappa B signaling pathway	kegg	1.33673	0.262702 kegg_pathway_29
Vibrio cholerae infection	kegg	1.32239	0.266497 kegg_pathway_151
Neurotrophin signaling pathway	kegg	1.31501	0.268472 kegg_pathway_92
Vitamin B6 metabolism	kegg	1.30332	0.271629 kegg_pathway_310
Phosphonate and phosphinate metabolism	kegg	1.30332	0.271629 kegg_pathway_274
MicroRNAs in cancer	kegg	1.28294	0.277222 kegg_pathway_178
Measles	kegg	1.275	0.279432 kegg_pathway_168
Fluid shear stress and atherosclerosis	kegg	1.275	0.279432 kegg_pathway_221
Colorectal cancer	kegg	1.27008	0.280809 kegg_pathway_179
Adipocytokine signaling pathway	kegg	1.2691	0.281084 kegg_pathway_115
Pyruvate metabolism	kegg	1.26584	0.282001 kegg_pathway_303
Wnt signaling pathway	kegg	1.24345	0.288388 kegg_pathway_54
Fatty acid metabolism	kegg	1.23874	0.28975 kegg_pathway_329
Aminoacyl-tRNA biosynthesis	kegg	1.19904	0.301483 kegg_pathway_321
p53 signaling pathway	kegg	1.16622	0.311542 kegg_pathway_37
Pathogenic Escherichia coli infection	kegg	1.1607	0.313268 kegg_pathway_153
Glutathione metabolism	kegg	1.1607	0.313268 kegg_pathway_278
Other types of O-glycan biosynthesis	kegg	1.15907	0.313777 kegg_pathway_283
mRNA surveillance pathway	kegg	1.11994	0.326298 kegg_pathway_5
Epstein-Barr virus infection	kegg	1.09998	0.332879 kegg_pathway_172

Mismatch repair	kegg	1.09958	0.33301 kegg_pathway_16
Histidine metabolism	kegg	1.09958	0.33301 kegg_pathway_267
Autophagy - animal	kegg	1.08683	0.337284 kegg_pathway_41
Human papillomavirus infection	kegg	1.07044	0.342859 kegg_pathway_229
Small cell lung cancer	kegg	1.06483	0.344786 kegg_pathway_191
Bladder cancer	kegg	1.03976	0.35354 kegg_pathway_188
Fat digestion and absorption	kegg	1.03976	0.35354 kegg_pathway_136
Hepatocellular carcinoma	kegg	1.03116	0.356593 kegg_pathway_230
Non-alcoholic fatty liver disease (NAFLD)	kegg	1.02484	0.358855 kegg_pathway_123
Lysine degradation	kegg	1.01972	0.360697 kegg_pathway_265
Kaposi sarcoma-associated herpesvirus infection	kegg	1.01952	0.360769 kegg_pathway_227
FoxO signaling pathway	kegg	1.01927	0.360859 kegg_pathway_31
Endocytosis	kegg	0.995361	0.36959 kegg_pathway_44
Calcium signaling pathway	kegg	0.983422	0.374029 kegg_pathway_24
Sulfur metabolism	kegg	0.971719	0.378432 kegg_pathway_320
Long-term depression	kegg	0.956014	0.384422 kegg_pathway_99
Glycosylphosphatidylinositol (GPI)-anchor biosynthesis	kegg	0.942568	0.389626 kegg_pathway_293
Pancreatic secretion	kegg	0.938196	0.391333 kegg_pathway_133
Choline metabolism in cancer	kegg	0.914655	0.400655 kegg_pathway_194
Hepatitis C	kegg	0.907861	0.403386 kegg_pathway_166
Biosynthesis of unsaturated fatty acids	kegg	0.896402	0.408035 kegg_pathway_325
Arachidonic acid metabolism	kegg	0.89639	0.40804 kegg_pathway_296
Cytosolic DNA-sensing pathway	kegg	0.89639	0.40804 kegg_pathway_77
Ribosome biogenesis in eukaryotes	kegg	0.891674	0.409969 kegg_pathway_2
ABC transporters	kegg	0.891057	0.410222 kegg_pathway_1

Synthesis and degradation of ketone bodies	kegg	0.890523	0.410441 kegg_pathway_250
Chagas disease (American trypanosomiasis)	kegg	0.825961	0.437814 kegg_pathway_159
Ether lipid metabolism	kegg	0.825504	0.438014 kegg_pathway_295
Taurine and hypotaurine metabolism	kegg	0.819153	0.440805 kegg_pathway_273
Non-small cell lung cancer	kegg	0.813958	0.443101 kegg_pathway_192
Acute myeloid leukemia	kegg	0.813958	0.443101 kegg_pathway_190
C-type lectin receptor signaling pathway	kegg	0.805092	0.447047 kegg_pathway_236
Valine, leucine and isoleucine degradation	kegg	0.794682	0.451725 kegg_pathway_263
Necroptosis	kegg	0.786546	0.455415 kegg_pathway_226
Salmonella infection	kegg	0.785574	0.455858 kegg_pathway_155
Cell cycle	kegg	0.784824	0.4562 kegg_pathway_35
Circadian rhythm	kegg	0.773187	0.46154 kegg_pathway_88
Citrate cycle (TCA cycle)	kegg	0.773187	0.46154 kegg_pathway_241
Glyoxylate and dicarboxylate metabolism	kegg	0.773187	0.46154 kegg_pathway_304
Cocaine addiction	kegg	0.765077	0.465298 kegg_pathway_145
Th17 cell differentiation	kegg	0.764828	0.465414 kegg_pathway_219
Adrenergic signaling in cardiomyocytes	kegg	0.751645	0.47159 kegg_pathway_52
Gap junction	kegg	0.742228	0.476052 kegg_pathway_68
Arginine and proline metabolism	kegg	0.736637	0.478721 kegg_pathway_266
N-Glycan biosynthesis	kegg	0.736637	0.478721 kegg_pathway_280
Cholesterol metabolism	kegg	0.736637	0.478721 kegg_pathway_232
RNA polymerase	kegg	0.736593	0.478742 kegg_pathway_7
Mucin type O-glycan biosynthesis	kegg	0.736593	0.478742 kegg_pathway_282
GABAergic synapse	kegg	0.721427	0.486058 kegg_pathway_97
Human cytomegalovirus infection	kegg	0.71022	0.491536 kegg_pathway_238



Endocrine and other factor-regulated calcium reabsorption	kegg	0.709307	0.491985 kegg_pathway_127
Antigen processing and presentation	kegg	0.693141	0.500003 kegg_pathway_72
Gastric cancer	kegg	0.687833	0.502664 kegg_pathway_231
Morphine addiction	kegg	0.681491	0.505862 kegg_pathway_147
Leishmaniasis	kegg	0.671212	0.511089 kegg_pathway_158
Tight junction	kegg	0.665686	0.513921 kegg_pathway_67
TGF-beta signaling pathway	kegg	0.662325	0.515651 kegg_pathway_58
Human immunodeficiency virus 1 infection	kegg	0.653757	0.520088 kegg_pathway_239
PPAR signaling pathway	kegg	0.649967	0.522063 kegg_pathway_13
GnRH signaling pathway	kegg	0.643672	0.52536 kegg_pathway_107
mTOR signaling pathway	kegg	0.643207	0.525604 kegg_pathway_47
Thermogenesis	kegg	0.636756	0.529006 kegg_pathway_234
Regulation of actin cytoskeleton	kegg	0.617244	0.539429 kegg_pathway_104
Thyroid hormone signaling pathway	kegg	0.590192	0.554221 kegg_pathway_114
Tyrosine metabolism	kegg	0.580771	0.559467 kegg_pathway_268
Estrogen signaling pathway	kegg	0.57503	0.562688 kegg_pathway_110
Insulin signaling pathway	kegg	0.57503	0.562688 kegg_pathway_105
Glycerophospholipid metabolism	kegg	0.573938	0.563303 kegg_pathway_294
Pertussis	kegg	0.571411	0.564728 kegg_pathway_156
Tuberculosis	kegg	0.561524	0.570339 kegg_pathway_165
Human T-cell leukemia virus 1 infection	kegg	0.560293	0.571042 kegg_pathway_170
Aldosterone-regulated sodium reabsorption	kegg	0.554243	0.574507 kegg_pathway_126
African trypanosomiasis	kegg	0.554243	0.574507 kegg_pathway_160
Thyroid cancer	kegg	0.554243	0.574507 kegg_pathway_185
Signaling pathways regulating pluripotency of stem cells	kegg	0.547726	0.578263 kegg_pathway_69

Endometrial cancer	kegg	0.545198	0.579727 kegg_pathway_182
EGFR tyrosine kinase inhibitor resistance	kegg	0.535696	0.585262 kegg_pathway_213
AGE-RAGE signaling pathway in diabetic complications	kegg	0.526396	0.59073 kegg_pathway_208
T cell receptor signaling pathway	kegg	0.526396	0.59073 kegg_pathway_81
Nitrogen metabolism	kegg	0.522753	0.592886 kegg_pathway_319
Fatty acid biosynthesis	kegg	0.522753	0.592886 kegg_pathway_247
Phenylalanine metabolism	kegg	0.522753	0.592886 kegg_pathway_269
Lysosome	kegg	0.490775	0.612152 kegg_pathway_43
Taste transduction	kegg	0.486156	0.614986 kegg_pathway_101
Nicotine addiction	kegg	0.482301	0.617361 kegg_pathway_148
Transcriptional misregulation in cancer	kegg	0.471985	0.623763 kegg_pathway_174
Basal cell carcinoma	kegg	0.452181	0.636239 kegg_pathway_186
Retrograde endocannabinoid signaling	kegg	0.438781	0.644822 kegg_pathway_93
Inflammatory bowel disease (IBD)	kegg	0.435588	0.646884 kegg_pathway_197
Ras signaling pathway	kegg	0.432913	0.648617 kegg_pathway_22
Glycosaminoglycan biosynthesis - chondroitin sulfate / dermatan sulfate	kegg	0.426696	0.652662 kegg_pathway_288
Purine metabolism	kegg	0.418067	0.658318 kegg_pathway_257
Arginine biosynthesis	kegg	0.399621	0.670574 kegg_pathway_256
Retinol metabolism	kegg	0.389368	0.677485 kegg_pathway_316
Glycolysis / Gluconeogenesis	kegg	0.375072	0.68724 kegg_pathway_240
Amphetamine addiction	kegg	0.375072	0.68724 kegg_pathway_146
Rheumatoid arthritis	kegg	0.374689	0.687503 kegg_pathway_199
Leukocyte transendothelial migration	kegg	0.370749	0.690217 kegg_pathway_86
Proteasome	kegg	0.366766	0.692972 kegg_pathway_11

Hedgehog signaling pathway	kegg	0.366766	0.692972 kegg_pathway_57
Oxidative phosphorylation	kegg	0.365161	0.694085 kegg_pathway_255
Carbon metabolism	kegg	0.359943	0.697716 kegg_pathway_327
Proximal tubule bicarbonate reclamation	kegg	0.35143	0.703681 kegg_pathway_129
Mannose type O-glycan biosynthesis	kegg	0.35143	0.703681 kegg_pathway_284
Sphingolipid metabolism	kegg	0.350547	0.704303 kegg_pathway_299
Glutamatergic synapse	kegg	0.34943	0.70509 kegg_pathway_94
Prolactin signaling pathway	kegg	0.34802	0.706085 kegg_pathway_112
Axon guidance	kegg	0.327482	0.720736 kegg_pathway_59
Adherens junction	kegg	0.322895	0.72405 kegg_pathway_66
Melanoma	kegg	0.322895	0.72405 kegg_pathway_187
Metabolism of xenobiotics by cytochrome P450	kegg	0.322895	0.72405 kegg_pathway_322
Rap1 signaling pathway	kegg	0.30065	0.740337 kegg_pathway_23
Thyroid hormone synthesis	kegg	0.299555	0.741148 kegg_pathway_113
Biosynthesis of amino acids	kegg	0.299555	0.741148 kegg_pathway_330
Amyotrophic lateral sclerosis (ALS)	kegg	0.292772	0.746192 kegg_pathway_142
Maturity onset diabetes of the young	kegg	0.291394	0.747221 kegg_pathway_125
Folate biosynthesis	kegg	0.291394	0.747221 kegg_pathway_315
Renin-angiotensin system	kegg	0.291394	0.747221 kegg_pathway_73
Gastric acid secretion	kegg	0.288513	0.749377 kegg_pathway_132
Glioma	kegg	0.288513	0.749377 kegg_pathway_183
Prostate cancer	kegg	0.287894	0.749841 kegg_pathway_184
Aldosterone synthesis and secretion	kegg	0.287894	0.749841 kegg_pathway_120
Progesterone-mediated oocyte maturation	kegg	0.287894	0.749841 kegg_pathway_109
Ascorbate and aldarate metabolism	kegg	0.274086	0.760267 kegg_pathway_246

Glycosphingolipid biosynthesis - lacto and neolacto series	kegg	0.274086	0.760267 kegg_pathway_300
Olfactory transduction	kegg	0.271309	0.762381 kegg_pathway_100
Platelet activation	kegg	0.258868	0.771925 kegg_pathway_71
Phototransduction	kegg	0.257942	0.77264 kegg_pathway_102
Butanoate metabolism	kegg	0.257942	0.77264 kegg_pathway_306
Hippo signaling pathway - multiple species	kegg	0.257942	0.77264 kegg_pathway_212
Regulation of lipolysis in adipocytes	kegg	0.244759	0.782893 kegg_pathway_118
Linoleic acid metabolism	kegg	0.242866	0.784377 kegg_pathway_297
Asthma	kegg	0.242866	0.784377 kegg_pathway_195
Phagosome	kegg	0.227651	0.796402 kegg_pathway_45
Pyrimidine metabolism	kegg	0.223846	0.799438 kegg_pathway_259
beta-Alanine metabolism	kegg	0.215586	0.806069 kegg_pathway_272
Propanoate metabolism	kegg	0.203238	0.816084 kegg_pathway_305
Cushing syndrome	kegg	0.203093	0.816202 kegg_pathway_235
Proteoglycans in cancer	kegg	0.199226	0.819365 kegg_pathway_177
Insulin secretion	kegg	0.190397	0.826631 kegg_pathway_106
Glycerolipid metabolism	kegg	0.187282	0.82921 kegg_pathway_291
SNARE interactions in vesicular transport	kegg	0.180812	0.834592 kegg_pathway_40
Cholinergic synapse	kegg	0.179876	0.835374 kegg_pathway_95
Serotonergic synapse	kegg	0.179876	0.835374 kegg_pathway_96
Prion diseases	kegg	0.170626	0.843137 kegg_pathway_144
JAK-STAT signaling pathway	kegg	0.161066	0.851236 kegg_pathway_78
Starch and sucrose metabolism	kegg	0.161059	0.851242 kegg_pathway_279
DNA replication	kegg	0.161059	0.851242 kegg_pathway_9
Alanine, aspartate and glutamate metabolism	kegg	0.161059	0.851242 kegg_pathway_260

Central carbon metabolism in cancer	kegg	0.156715	0.854948 kegg_pathway_193
Cortisol synthesis and secretion	kegg	0.156715	0.854948 kegg_pathway_233
cAMP signaling pathway	kegg	0.149778	0.860899 kegg_pathway_26
cGMP-PKG signaling pathway	kegg	0.14747	0.862888 kegg_pathway_25
Influenza A	kegg	0.14747	0.862888 kegg_pathway_169
Drug metabolism - cytochrome P450	kegg	0.137108	0.871876 kegg_pathway_323
Huntington disease	kegg	0.133547	0.874986 kegg_pathway_143
Renin secretion	kegg	0.131131	0.877103 kegg_pathway_119
PI3K-Akt signaling pathway	kegg	0.127908	0.879934 kegg_pathway_48
Phospholipase D signaling pathway	kegg	0.122416	0.88478 kegg_pathway_207
Type I diabetes mellitus	kegg	0.121137	0.885913 kegg_pathway_124
Bile secretion	kegg	0.114707	0.891627 kegg_pathway_137
Bacterial invasion of epithelial cells	kegg	0.109699	0.896104 kegg_pathway_150
Viral carcinogenesis	kegg	0.10644	0.899029 kegg_pathway_175
Neuroactive ligand-receptor interaction	kegg	0.10624	0.899209 kegg_pathway_34
Glucagon signaling pathway	kegg	0.102873	0.902242 kegg_pathway_117
Carbohydrate digestion and absorption	kegg	0.102349	0.902714 kegg_pathway_134
Vasopressin-regulated water reabsorption	kegg	0.102349	0.902714 kegg_pathway_128
Relaxin signaling pathway	kegg	0.0963105	0.908182 kegg_pathway_55
Vascular smooth muscle contraction	kegg	0.089719	0.914188 kegg_pathway_53
Parathyroid hormone synthesis, secretion and action	kegg	0.0879824	0.915777 kegg_pathway_237
Drug metabolism - other enzymes	kegg	0.0877204	0.916017 kegg_pathway_324
Chemical carcinogenesis	kegg	0.0766813	0.926185 kegg_pathway_176
Mineral absorption	kegg	0.069423	0.932932 kegg_pathway_139
Parkinson disease	kegg	0.0626555	0.939267 kegg_pathway_141

Alzheimer disease	kegg	0.0573008	0.94431 kegg_pathway_140
Viral myocarditis	kegg	0.0499742	0.951254 kegg_pathway_206
Ribosome	kegg	0.0450612	0.955939 kegg_pathway_3
Steroid hormone biosynthesis	kegg	0.042441	0.958447 kegg_pathway_254
Oxytocin signaling pathway	kegg	0.0418433	0.95902 kegg_pathway_116
Oocyte meiosis	kegg	0.0412606	0.959579 kegg_pathway_36
Amoebiasis	kegg	0.0389415	0.961807 kegg_pathway_163
Natural killer cell mediated cytotoxicity	kegg	0.0380456	0.962669 kegg_pathway_80
Circadian entrainment	kegg	0.0372087	0.963475 kegg_pathway_89
Mitophagy - animal	kegg	0.03236	0.968158 kegg_pathway_223
Melanogenesis	kegg	0.0310016	0.969474 kegg_pathway_111
Staphylococcus aureus infection	kegg	0.0306551	0.96981 kegg_pathway_164
Long-term potentiation	kegg	0.0290417	0.971376 kegg_pathway_90
Renal cell carcinoma	kegg	0.0275141	0.972861 kegg_pathway_180
Apelin signaling pathway	kegg	0.0252563	0.97506 kegg_pathway_222
Focal adhesion	kegg	0.022307	0.97794 kegg_pathway_63
Cell adhesion molecules (CAMs)	kegg	0.0196886	0.980504 kegg_pathway_65
Complement and coagulation cascades	kegg	0.0152111	0.984904 kegg_pathway_70
Hypertrophic cardiomyopathy (HCM)	kegg	0.0110195	0.989041 kegg_pathway_203
Chemokine signaling pathway	kegg	0.0100837	0.989967 kegg_pathway_28
Dilated cardiomyopathy (DCM)	kegg	0.0079858	0.992046 kegg_pathway_205
Alcoholism	kegg	0.00403613	0.995972 kegg_pathway_149
Cytokine-cytokine receptor interaction	kegg	0.00177357	0.998228 kegg_pathway_27
Systemic lupus erythematosus	kegg	0.000933436	0.999067 kegg_pathway_198

**Supplementary Table S5. The down-regulated genes involved in apoptosis pathway.**

Gene Symbol	Function	p-value(PsA vs. HC)	Ratio(PsA vs. HC)	Fold-Change(PsA vs. HC)
ATM	Apoptosis	0.0182896	0.84475	Down-regulated in PsA
NFKB1	Apoptosis	0.00639143	0.777525	Down-regulated in PsA
BIRC2	Apoptosis	0.00755812	0.738397	Down-regulated in PsA
IKBKB	Apoptosis	0.0471825	0.646689	Down-regulated in PsA
TUBA8	Apoptosis	0.0227001	0.903879	Down-regulated in PsA
CAPN1	Apoptosis	0.0447247	0.935332	Down-regulated in PsA
CASP10	Apoptosis	0.0156491	0.815481	Down-regulated in PsA
CASP7	Apoptosis	0.00662208	0.918258	Down-regulated in PsA
CTSL	Apoptosis	0.0217646	0.601047	Down-regulated in PsA
CTSD	Apoptosis	0.0107855	0.919197	Down-regulated in PsA
MAPK10	Apoptosis	0.00752709	0.935478	Down-regulated in PsA
HRK	Apoptosis	0.0448435	0.910863	Down-regulated in PsA
FADD	Apoptosis	0.00357763	0.803587	Down-regulated in PsA
DFFA	Apoptosis	0.0418897	0.703108	Down-regulated in PsA