

Supplementary figure

Cacna1.g	Galnt13	Per1	Arppt.9	Slc25a20
Cryab	Sez6l	Nmnat1	Nsmf	Tle3
Hmox2-ps1	Sema4d	Ddx1	Msl1	Calbp7
LOC100362172	Sh3bp5	Spag7	Hs2st1	Cd9
Mpz	Epha5	Tea1	Fnta	LOC690806
RGD1566401	Pknox2	Gbe1	Nrcam	Hspa8
Vom2r52	Mef2d	Set	Mir3576	Josd2
LOC102723236	Opal	Trappo6b	RGD1306151	Arfip1
Myoc	Dclk3	Prpsap1	LOC288913	Atp6v1.g1
Faf1	Rpl27	Zfp800	Zfp697	Syt7
Rnasek	Iffo2	Lap8	Thyn1	Cs
Slc8a2	Rfk	Cacnb3	Jph4	Tmed3
Tir6	Pomtd2	Dlgap4	Tmem199	Ophn1
Ttc33	Slc1a2	Zfp330	Rit2	Commnd7
Aldh1a1	Xrcc1	Syap1	Cpne5	Dnajc3
Oat	Krit1	LOC365985	Dcn	Gmpr
Pak7	Ache	Adam10	Bzw1	Hint1
PRKfb3	Sh3gl1	Ogfr	Ston2	Mob4
Bbx	41158	Ankrd52	Sec14lf	Kpna1
Lrrc16b	Ugp2	Maf	Lrrc40	Mest
Map3kl0	Sumo1	Megf8	Fmn1f	Ggct
Cers1	Flod3	Lix1l	Fut8	Ubxn2a
Unc13a	Mboat2	RGD1305110	Mal2	Yipf6
Safb2	Gria4	Prkcg	Wscd1	Dgkz
Slc20a1	Hmrnpd	Sod1	Atp6v1.d	Chchd1
Rpl18	Zgpat	St6galnac6	Tgfbf1	Dagla
Snhg11	Ptprr	Ndrp3	Taf13	Vps26b
Sptbn4	Prx	Cellf5	Hist1h2an	Ctcf
Cd59	Cox7b	Mcoln1	Tceb1	Dnajb8
Cttnbp2	Fam207a	Bcl2l13	Arhgap39	Basp1
Paps2	Atg5	Rere	Dda1	Traf3
Tnrc18	Dbn1	Ahdcl	Scrb	Pnoc
Arrt2	Ncor2	Myo1e	Srx1	Nrgn
Retsat	Bai1	Nexn	Jakmip3	Ino80d
Psmc3	Cu15	Mgea5	Lrrc4c	Psmc3ip
Pla2g7	Rsrc2	Nt5c3a	Mlec	Ndufa5
Ap1s2	Hs3st1	Gca	Akap17a	Stard3nl
Hdac5	Ivns1abp	Tssc1	Elmod2	Ptp4a1
Pma2	Nfix	Ebag9	Bcl2l1	Abcg1
Kalrn	Clnp	Skap2	Gnail	Rnf112
LOC498592	Trps1	Itgb5	Ap1ar	Hmrnpm
Mapk6	Mast2	Cep97	Gad2	Mpeg1
Pmp22	Stard10	Erc3	Elf2ak2	Plib
Hoxb5	Plcg1	Zfp858	Mgp	Arvcf
LOC100362110	Arsa	Adnp	Gsn	Npdc1
Mpp6	Mical3	Bfar	Ppfia3	Aptx
Scaf4	Purb	Phrf1	Zbtb7a	Pin1
Zmyrn3	Hoxb8	Pitpnm1	Synm	Cdk5rap1
Vgf	Pomtd1	Snm17	Rpsa	Tra2a
Prrc2a	Elf3m	Sec16a	Alyref	Vps4b
Immt	P4ha1	Tmem100	Grk6	Gbf1
Cdh13	Insig1	Luc7l2	RGD1562618	41159
Ppp1cb	Olig1	Sf3a2	Wdr75	Acsf5
Zfp698	Syndlg1	Repin1	Ecsit	Cdt64
Dlc1	Ghitm	Mpp8	Hdh2	Sall2
Ppil4	Mir344i	Rap2c	Tfdp1	Calr
Tac3	Zbtb7b	Vps26a	Dkc1	Rpp14
Prkar2a	Katnbl	Tmem14a	Myh14	Ddi2
Nova1	Prpf40a	RGD1565033	LOC499742	LOC310926
Tfrc	Necab2	Tsta3	Phtf1	Cwc15
Rnf34	Mlt1	Atg9a	Sec23a	Csnk1g1
Atp6v1h	Rpe	Yipf3	Csnk2b	Pfn1
Fdps	Rps17	Rpl3	Cdh10	Psmc4
Rbfox2	Zbtb16	Cers4	Ccnh	Ahnak
Spp1	LOC499136	Snrk	Snrpe	Stoml1
Ano4	Tmem176b	RGD1307752	Phax	Txnrd1
Topors	Asb6	Ft1l	Sav1	Med29
Prkcsb	Cep70	Gpr180	Champl	Usp53
Gart	Raph1	Adss	Ece2	Akap8
Adcyap1	Podh17	Psmc2	Fblf1	Hoxb8
Cacnb1	Psat1	Mcf2	Psmc1	Scn2b
Glt1	Bcl7c	Elf2s3x	Rps24	Ntrk3
Pou3f3	Cand1	Axin2	Ccpl10	Tp53inp2
Clcn6	Dnajc15	Ccdc132	Srcin1	Naa15
Fam8a1	Lmbd1	Brinp2	Brlf1	Vps53
Thumpd3	Safb	Mgat3	Wbp2	Pet100
Kcnc1	Dpysf5	Ar4a	Moes	Exoc3
Opcml	Tm2d2	Btf3	Chchd10	H3f3b
Fnipl	Gizyf1	Sord	Zmpste24	Tk2
RGD1566386	Palp2	Tmed2	Sumo3	Hmces
Cct2	Pitf1	Bpgm	Mrps21	Pdlim5
RGD1310127	Syvn1	Rnf216	Co4a3bp	Rpl27a
Bnip3	Tmem229a	Ndst1	Mrp32	Tor1a
Septs2	Wsb1	Elf5	Sgsm3	Ppp2r2d
Mpc1	Hdac3	Moos2	Crkl	Rps6kc1
Camk2n1	Sri	Atp6v1b2	Ttcl9	Dlgap3
Cdh8	Tspan6	Fstl1	Srx24	Noc2l
LOC690911	Zfp632	Ipo13	Rab3b	Actr10
Rab39a	Prkcdp	Cdy1	Parva	Hibch
Decam	Oxa1l	Fkbp3	Fyttd1	Sid2
Hdgfrp2	Ptpf	Pik3cb	Pcna	Ptp4a2
Pdha1	Rrp1	Calb2	Ype14	Rnf44
Tspan2	No14	Erlin2	Bcl9l	Tut1
Rbm3	Fam133b	Sugt1	Erp29	Fx1
Zcoch22	Rpl31	Tsg101	Txndc12	Cep131
Leng8	Cyp46a1	Wbscr17	Cadm4	Copa
Rbm2	Ptbp2	Supt4h1	Psmc3.Psmc3l	MAST1
Cyc1	Cpd	Actr2	S100a6	Erlec1
Ascc3	Mtus2	Lzts2	Lmbd2	B3gat1
Tmem65	Nkx1	Pnma2	Dpp10	

Supplementary table

Basso, Beattie, and Bresnahan Locomotor Rating Scale

SCORE	Operating definitions of categories of attributes
0	No observable hindlimb (HL) movement
1	Slight movement of one or two joints, usually the hip and/or knee
2	Extensive movement of one joint or extensive movement of one joint and slight movement of one other joint
3	Extensive movement of two joints
4	Slight movement of all three joints of the HL
5	Slight movement of two joints and extensive movement of the third
6	Extensive movement of two joints and slight movement of the third
7	Extensive movement of all three joints of the HL
8	Sweeping with no weight support or plantar placement of the paw with no weight support
9	Plantar placement of the paw with weight support in stance only (i.e., when stationary) or occasional, frequent, or consistent weight-supported dorsal stepping and no plantar stepping
10	Occasional weight-supported plantar steps; no FL–HL coordination
11	Frequent to consistent weight-supported plantar steps and no FL–HL coordination
12	Frequent to consistent weight-supported plantar steps and occasional FL–HL coordination
13	Frequent to consistent weight-supported plantar steps and frequent FL–HL coordination
14	Consistent weight-supported plantar steps, consistent FL–HL coordination, and predominant paw position during locomotion is rotated (internally or externally) when it makes initial contact with the surface as well as just before it is lifted off at the end of stance; or frequent plantar stepping, consistent FL–HL coordination, and occasional dorsal stepping
15	Consistent plantar stepping and consistent FL–HL coordination and no toe clearance or occasional toe clearance during forward limb advancement; predominant paw position is parallel to the body at initial contact
16	Consistent plantar stepping and consistent FL–HL coordination during gait and toe clearance occurs frequently during forward limb advancement; predominant paw position is parallel at initial contact and rotated at lift off
17	Consistent plantar stepping and consistent FL–HL coordination during gait and toe clearance occurs frequently during forward limb advancement; predominant paw position is parallel at initial contact and lift off
18	Consistent plantar stepping and consistent FL–HL coordination during gait and toe clearance occurs consistently during forward limb advancement; predominant paw position is parallel at initial contact and rotated at lift off
19	Consistent plantar stepping and consistent FL–HL coordination during gait, toe clearance occurs consistently during forward limb advancement, predominant paw position is parallel at initial contact and lift off, and tail is down part or all of the time
20	Consistent plantar stepping and consistent coordinated gait, consistent toe clearance, predominant paw position is parallel at initial contact and lift off, and trunk instability; tail consistently up
21	Consistent plantar stepping and coordinated gait, consistent toe clearance, predominant paw position is parallel throughout stance, and consistent trunk stability; tail consistently up

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