

**Table S13. SNP location summary of 21 pinewood nematode samples.**

<b>Sample</b>	<b>downstream</b>	<b>exonic</b>	<b>intergenic</b>	<b>intronic</b>	<b>splicing</b>	<b>upstream</b>
CW	20037	80912	78344	84077	114	27447
CY	24036	98172	87775	100133	130	33382
DT	24051	98135	87716	100082	131	33394
DY	29552	119698	112363	123540	163	40966
FC	19989	81094	77759	83289	116	27286
FS	24137	98434	87701	100147	132	33422
GJ	24196	98273	88301	100763	133	33561
HC	24206	98221	88174	100735	131	33532
HN	24084	98146	87785	100225	130	33403
HP	20099	81013	78545	84192	115	27509
LP	22325	91254	86301	94116	130	30580
LS	24158	98489	88657	101229	131	33544
LZ	24018	98065	87429	99839	132	33302
MP	24272	98521	88421	100916	135	33582
SH	24009	98096	87543	99972	132	33323
TS	24302	98260	88431	101028	131	33578
XB	24150	98207	88099	100733	130	33505
XG	23966	98119	87386	99760	132	33301
YC	24085	98207	87825	100282	130	33452
YD	32897	138149	118516	138626	192	45869

YS	24197	98860	89061	101333	131	33593
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**Table S14. SNP function summary of 21 pinewood nematode samples.**

Sample	nonsynonymous	stopgain	stoploss	synonymous	unknown
CW	15414	88	29	65087	294
CY	19830	116	34	77837	355
DT	19826	108	33	77813	355
DY	23549	135	42	95593	379
FC	15457	89	29	65227	292
FS	19855	111	34	78083	351
GJ	19872	115	34	77897	355
HC	19845	108	34	77879	355
HN	19827	110	34	77820	355
HP	15431	91	29	65169	293
LP	17731	99	31	73029	364
LS	19927	114	36	78057	355
LZ	19792	110	34	77774	355
MP	19899	112	36	78118	356
SH	19807	112	33	77789	355
TS	19872	111	34	77888	355
XB	19831	110	35	77876	355
XG	19814	108	34	77808	355

YC	19842	107	34	77869	355
YD	27116	141	50	110385	457
YS	20012	112	34	78346	356

**Table S15. SNP transition and transversion summary of 21 pinewood nematode samples.**

Sample	transition	transversion	ts/tv
CW	189627	111906	1.6945
CY	224495	131967	1.7011
DT	224459	131828	1.7027
DY	278067	164160	1.6939
FC	188901	111197	1.6988
FS	224782	132052	1.7022
GJ	225513	132611	1.7006
HC	225252	132621	1.6985
HN	224580	132033	1.7009
HP	189975	112117	1.6944
LP	211731	125105	1.6924
LS	226059	133057	1.699
LZ	223990	131593	1.7021
MP	225784	132993	1.6977
SH	224064	131769	1.7004
TS	225805	132847	1.6997

XB	225219	132476	1.7001
XG	223948	131524	1.7027
YC	224663	132147	1.7001
YD	310429	182567	1.7004
YS	226645	133454	1.6983

**Table S16. SNP homozygosity and heterozygosity summary of 21 pinewood nematode samples.**

Sample	Homozygosity	Heterozygosity
CW	289451	12082
CY	344102	12360
DT	343928	12359
DY	213182	229045
FC	286700	13398
FS	339161	17673
GJ	345414	12710
HC	345162	12711
HN	344231	12382
HP	289539	12553
LP	266903	69933
LS	346286	12830
LZ	342483	13100
MP	342826	15951

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SH	343331	12502
TS	346273	12379
XB	345655	12040
XG	343510	11962
YC	344578	12232
YD	244605	248391
YS	342476	17623

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