

**Table S9. SNP and InDel number of 21 pinewood nematode samples.** SNP, single nucleotide polymorphism; InDel, Insertion and deletion.

<b>Sample</b>	<b>SNP number</b>	<b>InDel number</b>
CW	301533	39209
CY	356462	46805
DT	356287	46554
DY	442227	58618
FC	300098	39015
FS	356834	47095
GJ	358124	47132
HC	357873	47175
HN	356613	46786
HP	302092	39442
LP	336836	43870
LS	359116	47367
LZ	355583	46735
MP	358777	47540
SH	355833	46745
TS	358652	47286
XB	357695	46978
XG	355472	46466
YC	356810	46838

YD	492996	63470
YS	360099	47512

**Table S10. Summary of SNP and InDel location.**

Type	Number	Percentage
intronic	196728	29.63%
intergenic	168376	25.36%
exonic	161135	24.27%
upstream	64008	9.64%
downstream	47184	7.11%
upstream;downstream	26114	3.93%
splicing	344	0.05%
UTR5	1	0.00%

**Table S11. Summary of SNP and InDel function annotation.**

Type	Number	Percentage
synonymous SNV	126774	78.68%
nonsynonymous SNV	32170	19.96%
unknown	517	0.32%
frameshift deletion	431	0.27%
nonframeshift deletion	411	0.26%
frameshift insertion	282	0.18%

nonframeshift insertion	262	0.16%
stopgain	217	0.13%
stoploss	71	0.04%

**Table S12. Summary of transition and transversion.**

<b>transition</b>	<b>368837</b>
G->A	92430
A->G	92364
T->C	92115
C->T	91928
<b>transversion</b>	<b>218831</b>
T->A	28763
A->T	28719
G->T	28239
C->A	27978
T->G	27912
A->C	27641
C->G	25050
G->C	24529