

Table 2 The analysis of evolutionary selection pressure for TRK

Gene pairs	S	N	dS	dN	dS/dN	Selection class
AnTrk1vsTrk1	780.9	1697.1	7.1628	15.6859	2.1899	Positive selection
AnTrk2vsTrk1	374.5	1728.5	23.5957	4.5115	0.1912	Purification selection
AnTrk3vsTrk1	578.4	1272.6	4.0152	17.0841	4.2549	Positive selection
AnTrk4vsTrk1	626.7	1416.3	3.4852	17.2098	4.9380	Positive selection
AnTrk1vsTrk2	675.9	1802.1	0.1625	16.0866	99.0000	Positive selection
AnTrk2vsTrk2	566.7	1536.3	0.2281	17.7113	77.6535	Positive selection
AnTrk3vsTrk2	374.7	1476.3	0.1343	13.2916	99.0000	Positive selection
AnTrk4vsTrk2	418.1	1624.9	0.1474	14.5938	99.0000	Positive selection

Note: S: Number of synonymous sites; N: Number of non-synonymous sites; dS: Synonymous substitution rate; dN: Non-synonymous substitution rate; dS/dN: Synonymous substitution rate/ Non-synonymous substitution rate