

**Table S2. Segmental duplications.** Data obtained from PGDD (<http://chibba.agtec.uga.edu/duplication/index/downloads> ) Ka/Ks was calculated and duplication date was estimated as was explained in Materials and Methods.

Block_N°	Block Score	E_value	Lo-cus_1	Lo-cus_2	Ka	Ks	Ka/Ks	Approx. duplication date (MYA)
193	222.0	9,00E-167	<i>StAP11.2</i>	<i>StAP9.2</i>	0.31	1.47	0.21	-106.52
33	1213.0	3,00E-119	<i>StAP2.5</i>	<i>StAP3.2</i>	0.51	1.92	0.27	139.13
56	339.0	2,00E-146	<i>StAP3.5</i>	*nd	0.37	1.82	0.20	131.88
126	400.0	5,00E-173	<i>StAP6.7</i>	<i>StAP11.3</i>	0.18	0.75	0.24	54.35
30	506.0	0.0	<i>StAP2.4</i>	<i>StAP2.2</i>	0.08	0.51	0.16	36.96
62	644.0	0.0	*nd	<i>StAP6.4</i>	0.15	0.69	0.22	50.00
201	381.0	3,00E-137	*nd	<i>StAP4.4</i>	0.12	0.78	0.15	56.52

\*nd were detected by HMM search but were eliminated from the *StAP* list.

Ka= non synonymous substitution rate.  
Ks= synonymous substitution rate.