

**Table 2 Non-synonymous and synonymous nucleotide substitution rates between
AtOSRs and the corresponding orthologs in Brassica crops**

Class	Gene ID in <i>A. thaliana</i>	Gene ID in <i>Brassica crops</i>	Model	Ka	Ks	Ka/Ks	Average Ka/Ks
class I	AtARL1	BraA3.ARL1	NG	0.138052357	0.352502722	0.391634867	0.375417744
	AtARL1	BraA4.ARL1	NG	0.096101744	0.348197553	0.275997759	
	AtARL1	BraA5.ARL1	NG	0.151013573	0.337635255	0.447268378	
	AtARL1	BolC3.ARL1	NG	0.130571623	0.324447339	0.402443193	
	AtARL1	BolC4.ARL1.1	NG	0.148128919	0.328623044	0.450756335	
	AtARL1	BolC4.ARL1.2	NG	0.103837254	0.333010334	0.31181391	
	AtARL1	BnaA3.ARL1	NG	0.142361387	0.373468349	0.381187288	
	AtARL1	BnaA4.ARL1	NG	0.096101744	0.348197553	0.275997759	
	AtARL1	BnaA5.ARL1	NG	0.15156053	0.356752025	0.424834393	
	AtARL1	BnaC4.ARL1.1	NG	0.156625272	0.336122069	0.465977355	
	AtARL1	BnaC4.ARL1.2	NG	0.099993774	0.331452088	0.301683948	
class II	AtARGOS	BraA7.ARGOS	NG	NaN	NaN	NaN	0.275220802
	AtARGOS	BraA9.ARGOS	NG	0.287167497	0.6449708	0.445241082	
	AtARGOS	BolC6.ARGOS	NG	0.10326806	0.480640108	0.214855269	
	AtARGOS	BolC8.ARGOS	NG	0.174529836	0.437901699	0.398559395	
	AtARGOS	BnaA7.ARGOS	NG	0.095423693	0.422972343	0.225602677	
	AtARGOS	BnaA9.ARGOS	NG	0.084110961	0.403878432	0.208258115	
	AtARGOS	BnaC6.ARGOS	NG	0.10326806	0.480640108	0.214855269	
	AtARGOS	BnaC8.ARGOS	NG	0.098895778	0.451220787	0.219173808	
class III	AtARL2	BnaA3.ARL2	NG	0.08253854	0.243733393	0.338642724	0.356966904
	AtARL2	BraA4.ARL2	NG	0.059814292	0.300666331	0.19893911	
	AtARL2	BnaA5.ARL2	NG	0.043216274	0.296484552	0.145762312	
	AtARL2	BnaA4.ARL2	NG	0.059814292	0.300666331	0.19893911	
	AtARL2	BnaC4.ARL2	NG	0.059868579	0.29982044	0.199681445	
	AtARL3	BraA3.ARL3	NG	0.205649042	0.427908644	0.480590997	
	AtARL3	BnaA3.ARL3	NG	0.197155732	0.458670053	0.429842172	
	AtARL3	BnaA5.ARL3	NG	0.047074272	0.300242781	0.156787355	
	AtARL3	BnaA4.ARL3	NG	0.127162493	0.482094971	0.263770628	
	AtARL3	BnaC3.ARL3	NG	0.196773198	0.427908644	0.459848618	
	AtARL3	BnaC4.ARL3.1	NG	0.182308325	0.393757694	0.462996222	
	AtARL3	BnaC4.ARL3.2	NG	0.11808	0.482094971	0.244932335	