

RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

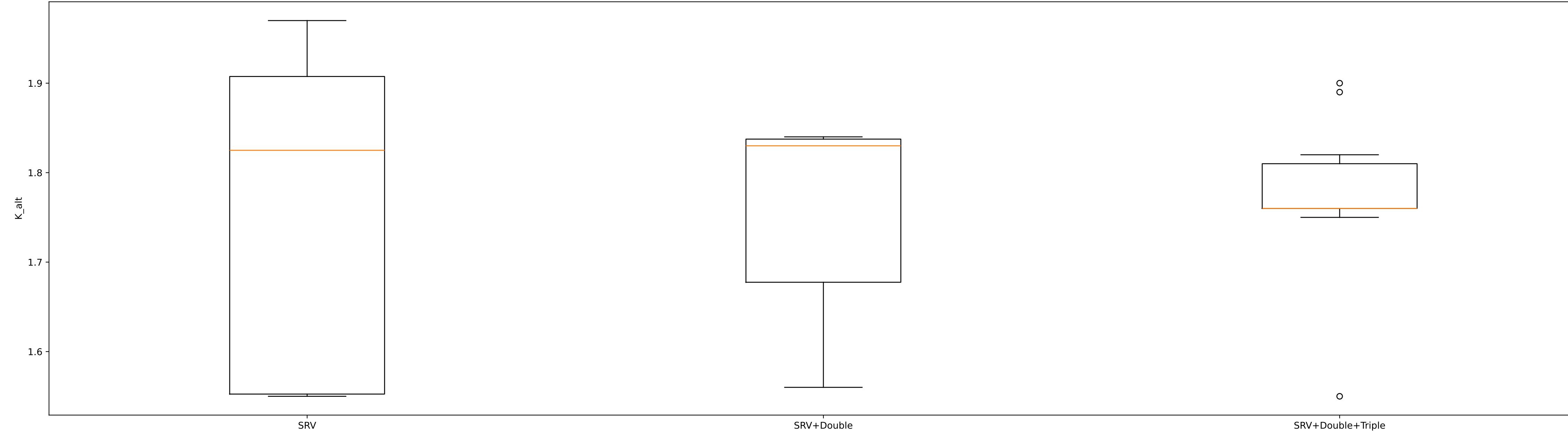
Includes:

- Run-type summary
- Boxplots: K, p-values, 2H/3H
- Full omega/SRV/multihit tables (column-paged)

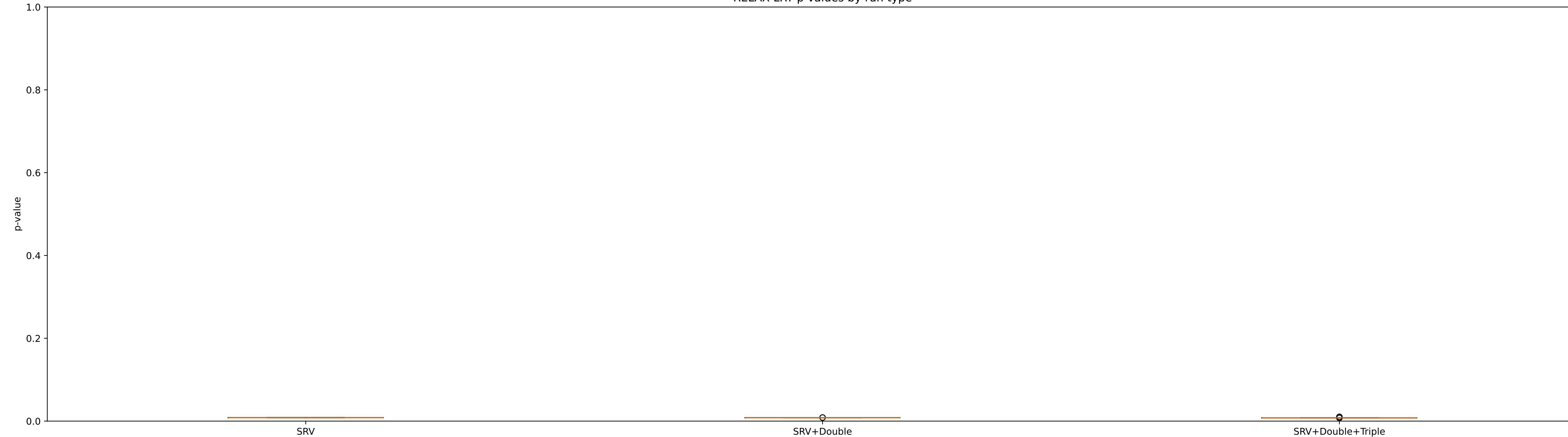
Run-type summary statistics

p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_medi an	omega_test_medi an	warnings_count	2H_reference_m edian	2H_test_median
0.0082	0.008	0.0087	1.825	1.55	1.97	0.3062	0.1556	9	nan	nan
0.0081	0.0081	0.0086	1.83	1.56	1.84	0.3062	0.1556	8	0.0	0.0
0.0079	0.0078	0.0103	1.76	1.55	1.9	0.3062	0.1556	6	0.0	0.0

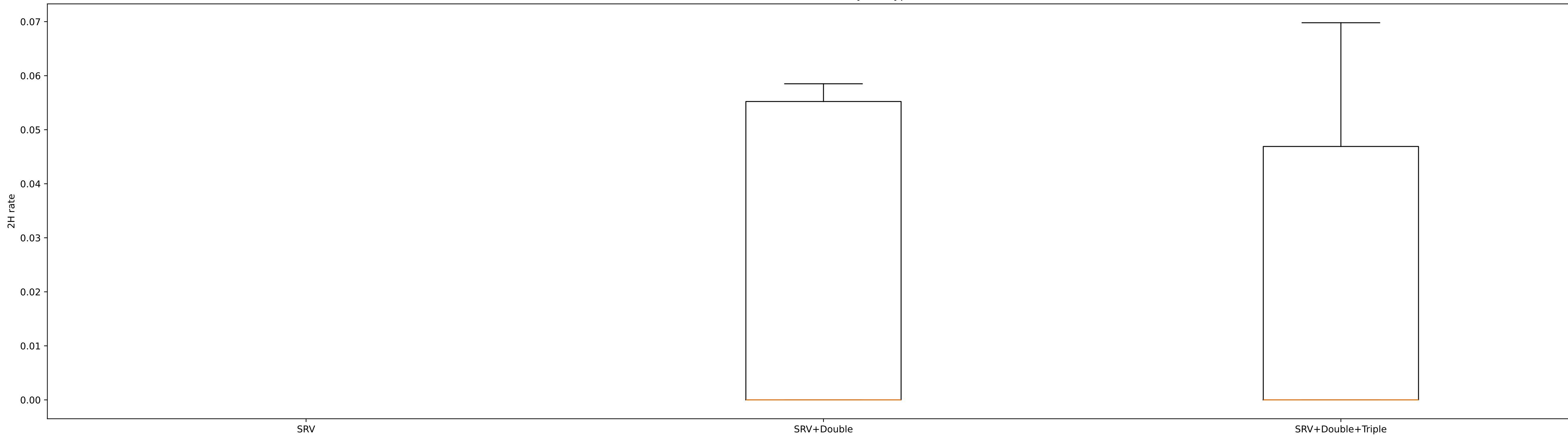
K (alternative) by run type



RELAX LRT p-values by run type



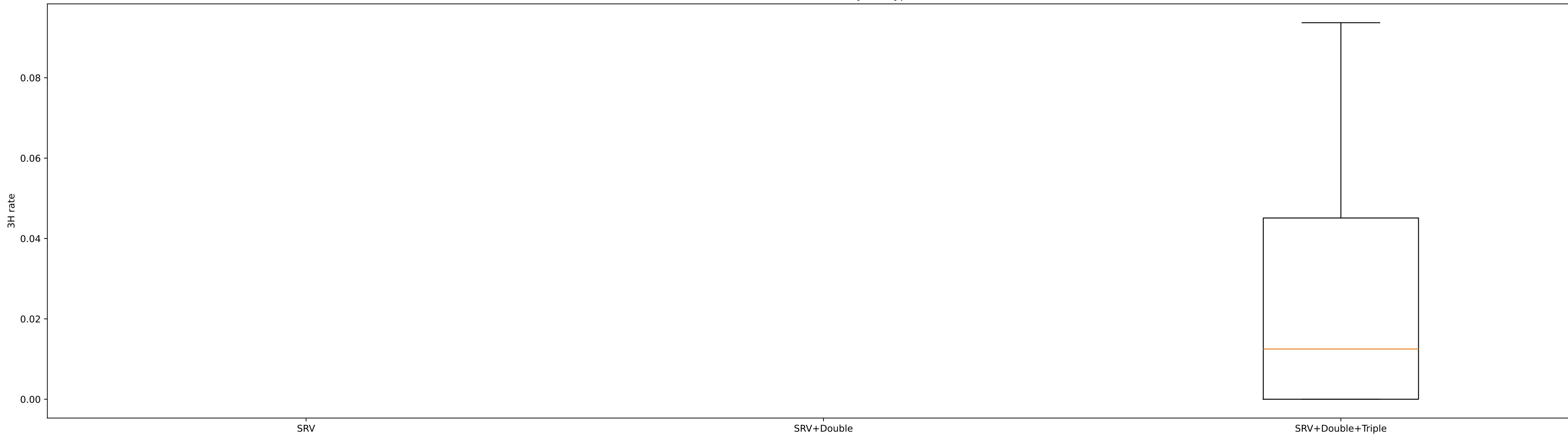
2H rates (reference) by run type



2H rates (test) by run type



3H rates (reference) by run type



3H rates (test) by run type



Replicate-level summary — SRV (page 1/1)

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.0087	1.55	0.3062	0.1556
	2	0.0087	1.55	0.3062	0.1556
	3	0.0086	1.56	0.3062	0.1556
	4	0.0081	1.82	0.3062	0.1556
	5	0.0087	1.55	0.3062	0.1556
	6	0.008	1.94	0.3062	0.1556
	7	0.0081	1.83	0.3062	0.1556
	8	0.0082	1.97	0.3062	0.1556
	9	0.0081	1.84	0.3062	0.1556
	10	0.0081	1.93	0.3062	0.1556

Replicate-level summary — SRV+Double (page 1/1)

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test
	1	0.0081	1.83	0.3062	0.1556
	2	0.0081	1.84	0.3062	0.1556
	3	0.0081	1.83	0.3062	0.1556
	4	0.0081	1.84	0.3062	0.1556
	5	0.0081	1.84	0.3062	0.1556
	6	0.0082	1.82	0.3062	0.1556
	7	0.0081	1.63	0.3062	0.1556
	8	0.0082	1.83	0.3062	0.1556
	9	0.0081	1.63	0.3062	0.1556
	10	0.0086	1.56	0.3062	0.1556

Replicate-level summary — SRV+Double+Triple (page 1/1)

	replicate	p_value	K_alt	global_dNdS_re ference	global_dNdS_te st
	1	0.0079	1.76	0.3062	0.1556
	2	0.0079	1.9	0.3062	0.1556
	3	0.0079	1.76	0.3062	0.1556
	4	0.0079	1.76	0.3062	0.1556
	5	0.0079	1.76	0.3062	0.1556
	6	0.0079	1.89	0.3062	0.1556
	7	0.0079	1.78	0.3062	0.1556
	8	0.0103	1.55	0.3062	0.1556
	9	0.0078	1.82	0.3062	0.1556
	10	0.0079	1.75	0.3062	0.1556

	test	Negative selection	0.0	31.645	SRV+Double
	test	Negative selection	0.221	68.355	SRV+Double
	test	Negative selection	0.0	31.645	SRV+Double
	test	Negative selection	0.44	68.355	SRV+Double
	reference	Diversifying selection	0.491	0.491	SRV+Double
	reference	Negative selection	0.228	71.78	SRV+Double
	reference	Negative selection	0.301	27.729	SRV+Double
	test	Diversifying selection	5.885	0.491	SRV+Double
	test	Negative selection	0.228	71.78	SRV+Double
	test	Negative selection	0.301	27.729	SRV+Double
	reference	Diversifying selection	2.519	0.0	SRV+Double
	reference	Negative selection	0.0	31.769	SRV+Double
	reference	Negative selection	0.441	68.231	SRV+Double
	test	Diversifying selection	5.492	0.0	SRV+Double
	test	Diversifying selection	2.519	0.0	SRV+Double
	test	Negative selection	0.0	31.769	SRV+Double
	test	Negative selection	0.221	68.231	SRV+Double
	test	Negative selection	0.0	31.769	SRV+Double
	test	Negative selection	0.441	68.231	SRV+Double
	reference	Diversifying selection	6.189	0.455	SRV+Double
	reference	Negative selection	0.233	81.064	SRV+Double
	reference	Negative selection	0.321	18.481	SRV+Double
	test	Diversifying selection	6.189	0.455	SRV+Double
	test	Negative selection	0.233	81.064	SRV+Double
	test	Negative selection	0.321	18.481	SRV+Double
	reference	Diversifying selection	2.337	0.0	SRV+Double
	reference	Negative selection	0.0	30.51	SRV+Double
	reference	Negative selection	0.431	69.49	SRV+Double
	test	Diversifying selection	4.675	0.0	SRV+Double
	test	Diversifying selection	2.337	0.0	SRV+Double
	test	Negative selection	0.0	30.51	SRV+Double
	test	Negative selection	0.217	69.49	SRV+Double
	test	Negative selection	0.0	30.51	SRV+Double
	test	Negative selection	0.431	69.49	SRV+Double
	reference	Diversifying selection	6.028	0.477	SRV+Double
	reference	Negative selection	0.245	92.557	SRV+Double
	reference	Negative selection	0.293	6.966	SRV+Double
	test	Diversifying selection	6.028	0.477	SRV+Double
	test	Negative selection	0.245	92.557	SRV+Double
	test	Negative selection	0.293	6.966	SRV+Double
	reference	Diversifying selection	21.334	0.059	SRV+Double
	reference	Negative selection	0.0	13.714	SRV+Double
	reference	Negative selection	0.339	86.227	SRV+Double
	test	Diversifying selection	145.304	0.059	SRV+Double
	test	Diversifying selection	21.334	0.059	SRV+Double
	test	Negative selection	0.0	13.714	SRV+Double
	test	Negative selection	0.172	86.227	SRV+Double
	test	Negative selection	0.0	13.714	SRV+Double
	test	Negative selection	0.12	86.227	SRV+Double
	test	Negative selection	0.339	86.227	SRV+Double
	reference	Diversifying selection	5.886	0.487	SRV+Double

			3.216	8.62	SRV
	1		0.0	12.068	SRV
	2		0.944	81.429	SRV
	3		3.553	6.503	SRV
	1		0.0	9.958	SRV
	2		0.886	81.223	SRV
	3		3.183	8.819	SRV
	1		0.0	12.073	SRV
	2		0.945	81.497	SRV
	3		3.572	6.429	SRV
	1		0.0	9.929	SRV
	2		0.884	81.203	SRV
	3		3.178	8.868	SRV
SRV	1		0.0	10.71	SRV
	2		0.9	81.175	SRV
	3		3.315	8.114	SRV
	1		0.0	9.852	SRV
	2		0.881	81.087	SRV
	3		3.148	9.061	SRV
	1		0.0	12.104	SRV
	2		0.946	81.507	SRV
	3		3.582	6.389	SRV
	1		0.0	10.105	SRV
	2		0.89	81.273	SRV
	3		3.212	8.622	SRV
	1		0.0	10.518	SRV
	2		0.895	80.972	SRV
	3		3.239	8.51	SRV
	1		0.0	10.466	SRV
	2		0.902	81.392	SRV
	3		3.269	8.142	SRV
	1		0.0	10.738	SRV
	2		0.902	81.207	SRV
	3		3.326	8.055	SRV
	1		0.0	9.856	SRV
	2		0.882	81.191	SRV
	3		3.167	8.952	SRV
	1		0.0	10.417	SRV
	2		0.891	80.9	SRV
	3		3.212	8.683	SRV
	1		0.0	9.931	SRV
	2		0.885	81.224	SRV
	3		3.183	8.845	SRV
	1		0.0	10.711	SRV
	2		0.901	81.179	SRV
	3		3.316	8.109	SRV
	1		0.0	10.347	SRV
	2		0.897	81.312	SRV
	3		3.244	8.341	SRV
	1		0.0	10.497	SRV

