

## RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

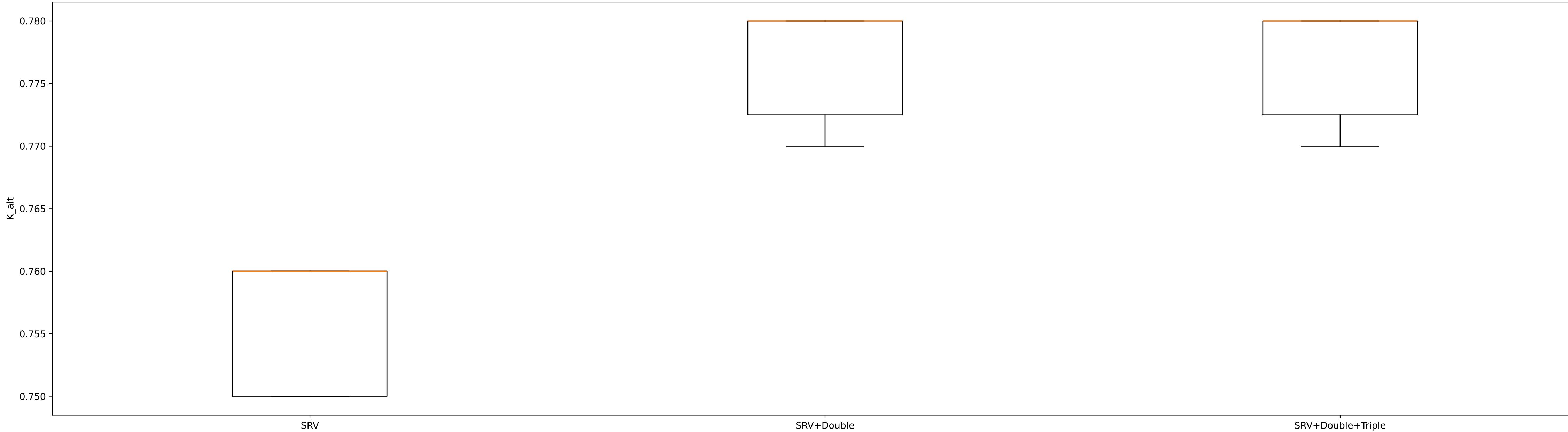
Includes:

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

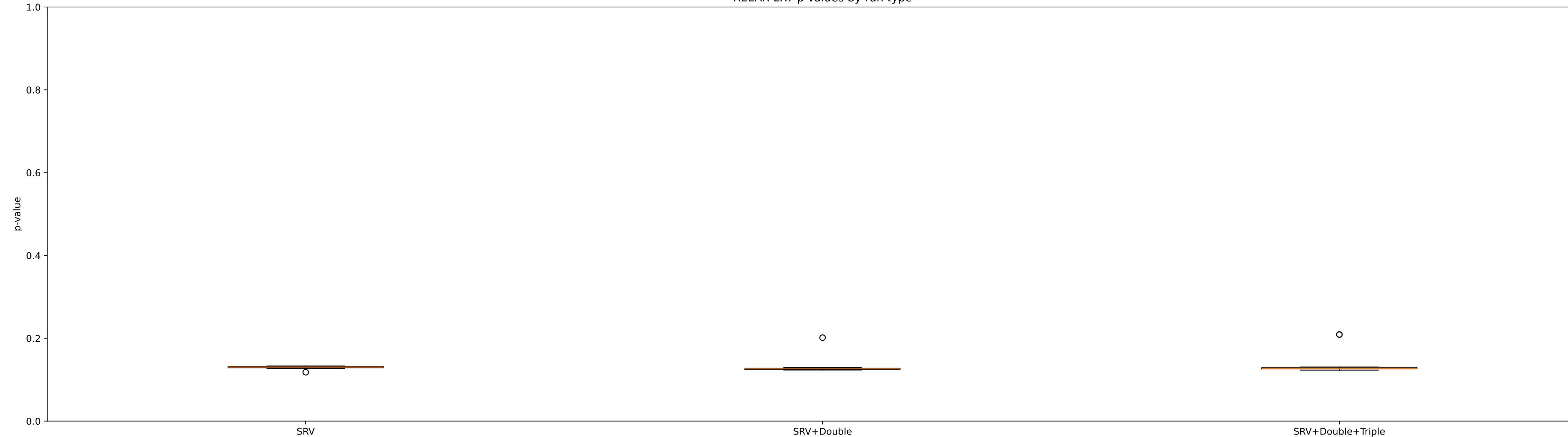
## Run-type summary statistics

p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_median	omega_test_median	warnings_count	2H_reference_median	2H_test_median
0.1306	0.118	0.133	0.76	0.75	0.76	0.2334	0.3062	10	nan	nan
0.1262	0.1234	0.2015	0.78	0.77	0.78	0.2334	0.3062	10	0.0786	0.0
0.1273	0.1232	0.2093	0.78	0.77	0.78	0.2334	0.3062	10	0.0779	0.0

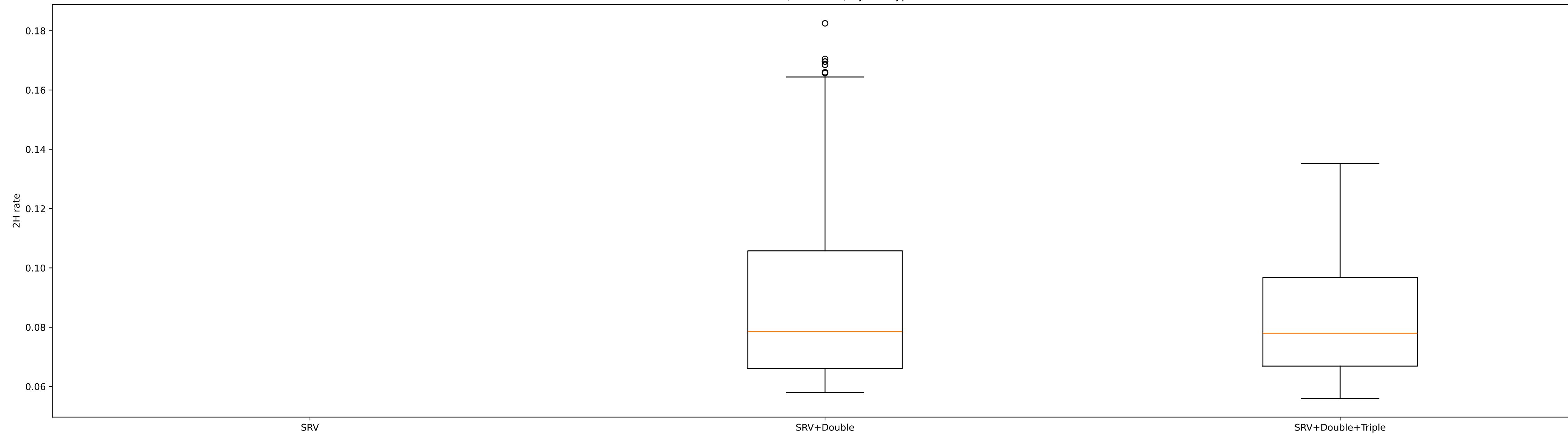
K (alternative) by run type



### RELAX LRT p-values by run type



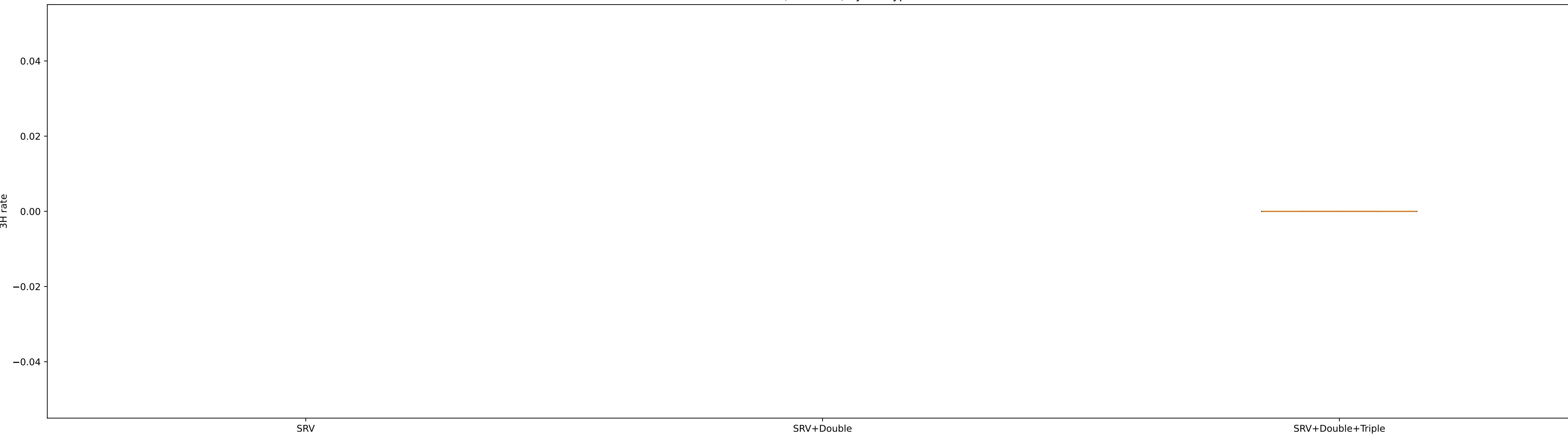
2H rates (reference) by run type



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)

	<b>replicate</b>	<b>p_value</b>	<b>K_alt</b>	<b>global_dNdS_re ference</b>	<b>global_dNdS_te st</b>
	1	0.1317	0.76	0.2334	0.3062
	2	0.1324	0.75	0.2334	0.3063
	3	0.1307	0.76	0.2334	0.3062
	4	0.133	0.75	0.2334	0.3062
	5	0.1283	0.76	0.2334	0.3062
	6	0.118	0.75	0.2334	0.3062
	7	0.1272	0.76	0.2334	0.3062
	8	0.1299	0.76	0.2334	0.3062
	9	0.1304	0.76	0.2334	0.3064
	10	0.132	0.75	0.2333	0.3061

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

	<b>replicate</b>	<b>p_value</b>	<b>K_alt</b>	<b>global_dNdS_re ference</b>	<b>global_dNdS_te st</b>
	1	0.126	0.77	0.2334	0.3063
	2	0.1291	0.78	0.2334	0.3062
	3	0.1269	0.77	0.2335	0.3066
	4	0.2015	0.77	0.2334	0.3062
	5	0.125	0.78	0.2334	0.306
	6	0.1234	0.78	0.2334	0.3062
	7	0.1265	0.78	0.2334	0.3062
	8	0.124	0.78	0.2334	0.3062
	9	0.1259	0.78	0.2334	0.3063
	10	0.1277	0.78	0.2334	0.3062

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

	<b>replicate</b>	<b>p_value</b>	<b>K_alt</b>	<b>global_dNdS_re ference</b>	<b>global_dNdS_te st</b>
	1	0.1273	0.77	0.2334	0.3062
	2	0.1285	0.78	0.2334	0.3062
	3	0.1261	0.77	0.2334	0.3062
	4	0.2088	0.78	0.2334	0.3062
	5	0.1239	0.78	0.2334	0.3062
	6	0.2093	0.78	0.2334	0.3062
	7	0.1305	0.78	0.2334	0.3062
	8	0.1264	0.77	0.2334	0.3062
	9	0.1232	0.78	0.2334	0.3062
	10	0.1273	0.78	0.2334	0.3062

	test	Negative selection	0.178	46.251	SRV+Double
	test	Negative selection	0.398	53.749	SRV+Double
	test	Negative selection	0.107	46.251	SRV+Double
	test	Negative selection	0.303	53.749	SRV+Double
	reference	Diversifying selection	0.0	SRV+Double	
	reference	Negative selection	0.122	45.866	SRV+Double
	reference	Negative selection	0.302	54.134	SRV+Double
	test	Diversifying selection	1.223	0.0	SRV+Double
	test	Negative selection	0.122	45.866	SRV+Double
	test	Negative selection	0.302	54.134	SRV+Double
	reference	Negative selection	0.174	34.307	SRV+Double
	reference	Negative selection	0.218	64.55	SRV+Double
	reference	Neutral evolution	1.0	1.144	SRV+Double
	test	Negative selection	0.255	34.307	SRV+Double
	test	Negative selection	0.305	64.55	SRV+Double
	test	Negative selection	0.174	34.307	SRV+Double
	test	Negative selection	0.218	64.55	SRV+Double
	test	Neutral evolution	1.0	1.144	SRV+Double
	test	Neutral evolution	1.0	1.144	SRV+Double
	reference	Negative selection	0.197	31.619	SRV+Double
	reference	Negative selection	0.222	68.065	SRV+Double
	reference	Neutral evolution	1.0	0.316	SRV+Double
	test	Negative selection	0.197	31.619	SRV+Double
	test	Negative selection	0.222	68.065	SRV+Double
	test	Neutral evolution	1.0	0.316	SRV+Double
	reference	Diversifying selection	1.046	0.0	SRV+Double
	reference	Negative selection	0.161	78.584	SRV+Double
	reference	Negative selection	0.399	21.416	SRV+Double
	test	Diversifying selection	1.036	0.0	SRV+Double
	test	Diversifying selection	1.046	0.0	SRV+Double
	test	Negative selection	0.243	78.584	SRV+Double
	test	Negative selection	0.49	21.416	SRV+Double
	test	Negative selection	0.161	78.584	SRV+Double
	test	Negative selection	0.399	21.416	SRV+Double
	reference	Diversifying selection	2.058	0.0	SRV+Double
	reference	Negative selection	0.168	77.395	SRV+Double
	reference	Negative selection	0.395	22.605	SRV+Double
	test	Diversifying selection	2.058	0.0	SRV+Double
	test	Negative selection	0.168	77.395	SRV+Double
	test	Negative selection	0.395	22.605	SRV+Double
	reference	Negative selection	0.087	18.693	SRV+Double
	reference	Negative selection	0.238	81.283	SRV+Double
	reference	Neutral evolution	1.0	0.025	SRV+Double
	test	Negative selection	0.149	18.693	SRV+Double
	test	Negative selection	0.327	81.283	SRV+Double
	test	Negative selection	0.087	18.693	SRV+Double
	test	Negative selection	0.238	81.283	SRV+Double
	test	Neutral evolution	1.0	0.025	SRV+Double
	test	Neutral evolution	1.2	0.025	SRV+Double
	test	Diversifying selection	1.0	0.025	SRV+Double
	reference	Negative selection	1.955	0.0	SRV+Double

## SRV rate classes (all) (cols 1-6/6)

	<b>class_id</b>	<b>syn_rate</b>	<b>proportion_per cent</b>	<b>run_type</b>	
SRV	1	0.695	83.881	SRV	
	2	2.223	14.248	SRV	
	3	5.36	1.871	SRV	
	1	0.693	83.639	SRV	
	2	2.204	14.478	SRV	
	3	5.37	1.883	SRV	
	1	0.694	83.859	SRV	
	2	2.234	14.358	SRV	
	3	5.453	1.783	SRV	
SRV	1	0.692	83.379	SRV	
	2	2.18	14.679	SRV	
	3	5.32	1.942	SRV	
	1	0.694	83.71	SRV	
	2	2.202	14.353	SRV	
	3	5.324	1.938	SRV	
	1	0.598	49.593	SRV	
	2	0.98	41.856	SRV	
	3	3.426	8.551	SRV	
SRV	1	0.694	83.742	SRV	
	2	2.195	14.227	SRV	
	3	5.23	2.03	SRV	
	1	0.694	83.843	SRV	
	2	2.208	14.167	SRV	
	3	5.289	1.99	SRV	
	1	0.693	83.589	SRV	
	2	2.195	14.481	SRV	
	3	5.332	1.93	SRV	
SRV	1	0.693	83.478	SRV	
	2	2.171	14.422	SRV	
	3	5.154	2.1	SRV	

	reference		2H	0.0876	SRV+Double	
	test		2H	0.0	SRV+Double	
	reference		2H	0.0796	SRV+Double	
	reference		2H	0.0593	SRV+Double	
	test		2H	0.0	SRV+Double	
<b>Multihit (2H/3H) rates (all) (cols 1-6/6)</b>				0.0		
	reference		2H	0.1315	SRV+Double+Triple	
	reference		2H	0.0791	SRV+Double+Triple	
	reference		3H	0.0	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0737	SRV+Double+Triple	
	reference		2H	0.0641	SRV+Double+Triple	
	reference		3H	0.0	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.1217	SRV+Double+Triple	
	reference		2H	0.0869	SRV+Double+Triple	
	reference		3H	0.0	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0793	SRV+Double+Triple	
	reference		2H	0.0665	SRV+Double+Triple	
	reference		3H	0.0	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.1352	SRV+Double+Triple	
	reference		2H	0.0756	SRV+Double+Triple	
	reference		3H	0.0	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0709	SRV+Double+Triple	
	reference		2H	0.0639	SRV+Double+Triple	
	reference		3H	0.0	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.1242	SRV+Double+Triple	
	reference		2H	0.0815	SRV+Double+Triple	
	reference		3H	0.0	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.067	SRV+Double+Triple	
	reference		2H	0.056	SRV+Double+Triple	
	reference		3H	0.0	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.1261	SRV+Double+Triple	
	reference		2H	0.0885	SRV+Double+Triple	
	reference		3H	0.0	SRV+Double+Triple	
	test		2H	0.0	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
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