

## RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

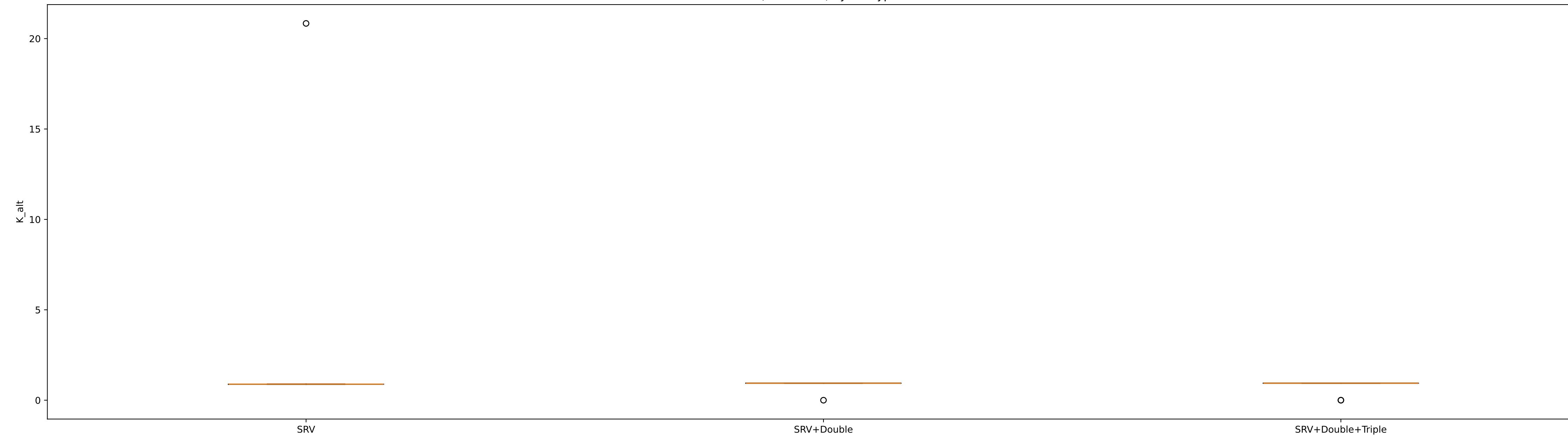
Includes:

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

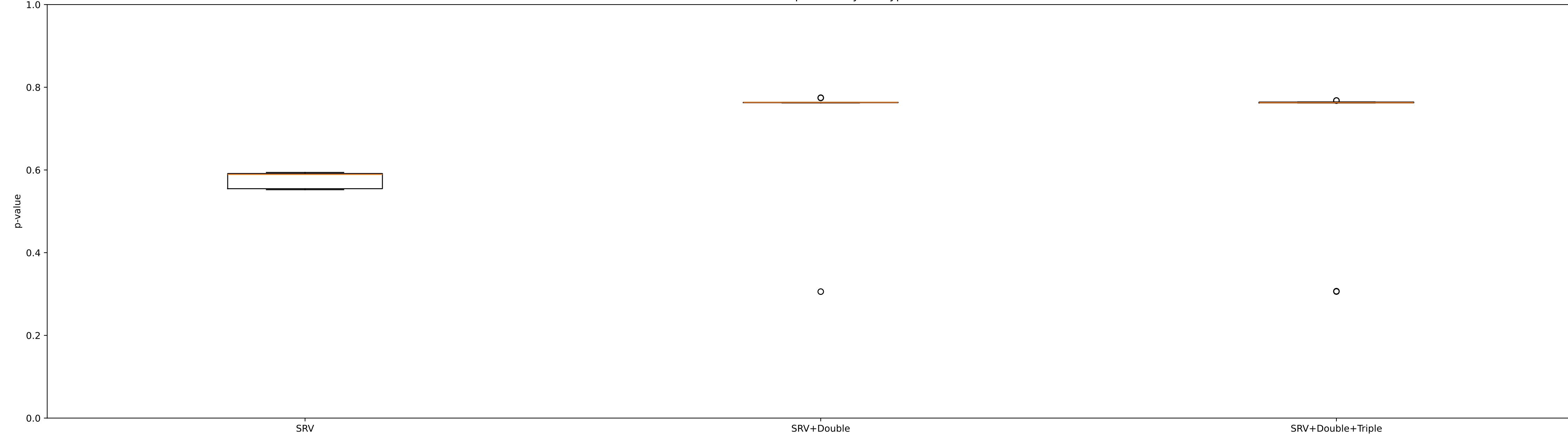
## Run-type summary statistics

<b>p_median</b>	<b>p_min</b>	<b>p_max</b>	<b>K_median</b>	<b>K_min</b>	<b>K_max</b>	<b>omega_ref_medi an</b>	<b>omega_test_medi an</b>	<b>warnings_count</b>	<b>2H_reference_m edian</b>	<b>2H_test_median</b>
0.5891	0.5523	0.594	0.89	0.88	20.84	0.172	0.2098	10	nan	nan
0.7634	0.3058	0.7748	0.94	0.0	0.94	0.172	0.2098	9	0.0	0.1122
0.7628	0.306	0.768	0.94	0.0	0.94	0.172	0.2098	8	0.0	0.112

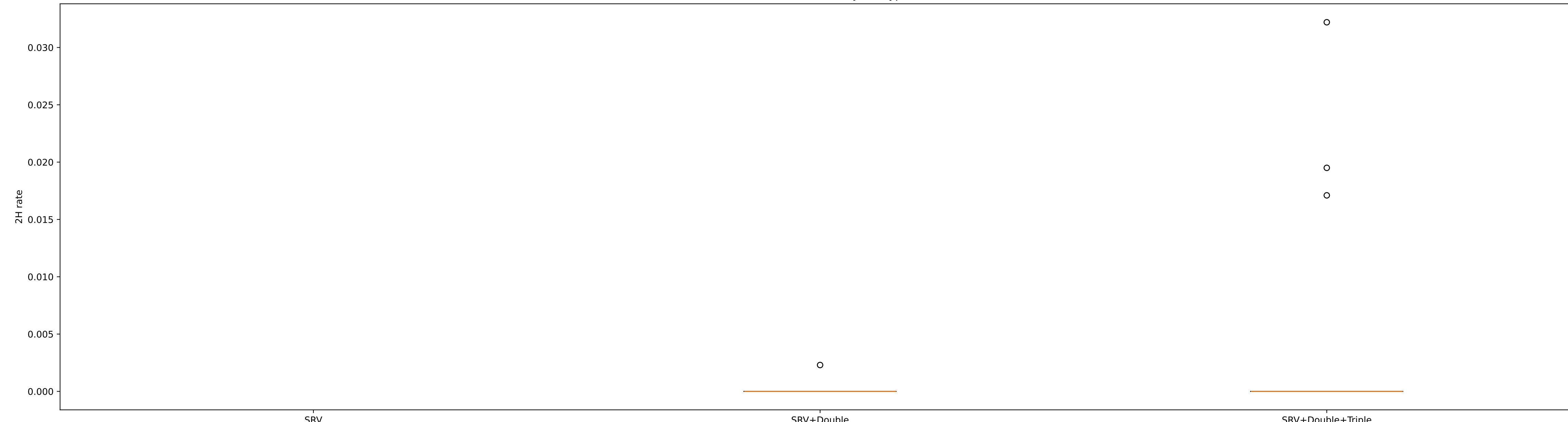
K (alternative) by run type



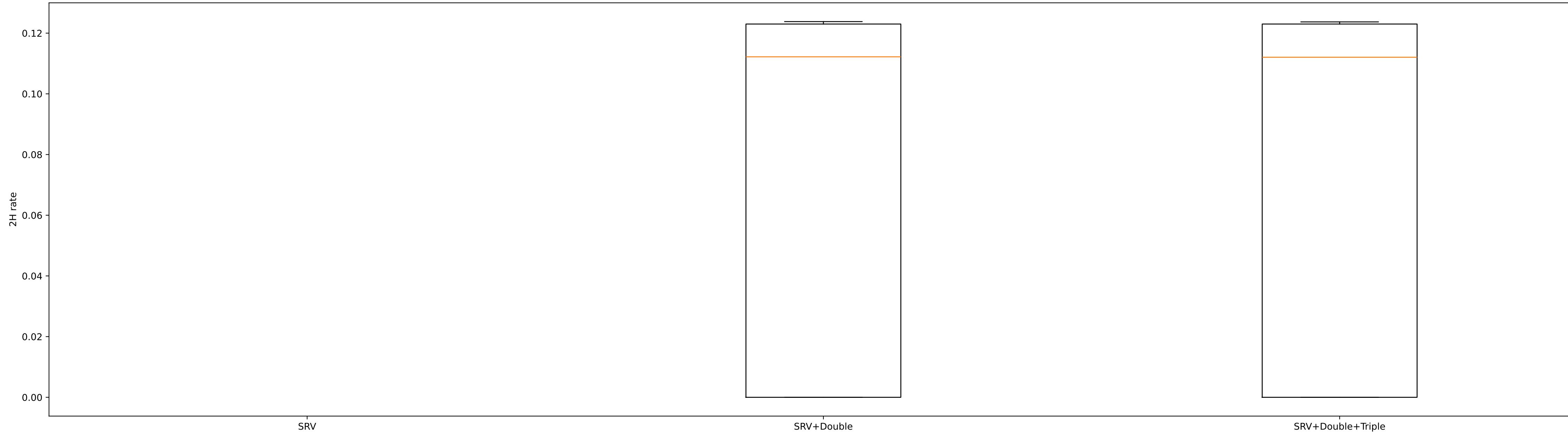
RELAX LRT p-values by run type



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	0.5893	0.89	0.172	0.2098
	2	0.5906	20.84	0.172	0.2098
	3	0.5523	0.88	0.172	0.2098
	4	0.5568	0.88	0.172	0.2098
	5	0.594	0.89	0.172	0.2098
	6	0.5917	0.89	0.172	0.2098
	7	0.5927	0.9	0.172	0.2098
	8	0.5523	0.88	0.172	0.2098
	9	0.5889	0.89	0.172	0.2098
	10	0.5541	0.88	0.172	0.2098

## 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	0.7628	0.94	0.172	0.2098
	2	0.7622	0.94	0.1719	0.2098
	3	0.7637	0.94	0.172	0.2098
	4	0.7742	0.94	0.172	0.2098
	5	0.3058	0.0	0.172	0.2098
	6	0.7635	0.94	0.172	0.2098
	7	0.7626	0.94	0.172	0.2098
	8	0.7633	0.94	0.172	0.2098
	9	0.7636	0.94	0.172	0.2098
	10	0.7748	0.94	0.172	0.2098

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

	<b>replicate</b>	<b>p_value</b>	<b>K_alt</b>	<b>global_dNdS_reference</b>	<b>global_dNdS_test</b>
	1	0.306	0.0	0.172	0.2098
	2	0.7678	0.94	0.172	0.2098
	3	0.7626	0.94	0.172	0.2098
	4	0.763	0.94	0.172	0.2098
	5	0.7645	0.94	0.172	0.2098
	6	0.768	0.94	0.172	0.2098
	7	0.7635	0.94	0.172	0.2098
	8	0.7625	0.94	0.172	0.2098
	9	0.7622	0.94	0.172	0.2098
	10	0.3069	0.0	0.172	0.2098

				0.164	58.645	SRV+Double
	test		Negative selection	0.213	41.355	SRV+Double
	test		Negative selection	0.146	58.645	SRV+Double
	test		Negative selection	0.193	41.355	SRV+Double
	reference		Diversifying selection	0.0	SRV+Double	
	reference		Negative selection	0.151	59.33	SRV+Double
	reference		Negative selection	0.189	40.67	SRV+Double
	test		Diversifying selection	6.952	0.0	SRV+Double
	test		Negative selection	0.151	59.33	SRV+Double
	test		Negative selection	0.189	40.67	SRV+Double
	reference		Diversifying selection	1.014	0.0	SRV+Double
	reference		Negative selection	0.151	20.331	SRV+Double
	reference		Negative selection	0.169	79.669	SRV+Double
	test		Diversifying selection	1.014	0.0	SRV+Double
	test		Negative selection	0.0	79.669	SRV+Double
	test		Negative selection	0.151	20.331	SRV+Double
	test		Negative selection	0.169	79.669	SRV+Double
	test		Neutral evolution	1.0	20.331	SRV+Double
	test		Neutral evolution	1.0	0.0	SRV+Double
	reference		Diversifying selection	1.199	0.0	SRV+Double
	reference		Negative selection	0.113	0.0	SRV+Double
	reference		Negative selection	0.166	100.0	SRV+Double
	test		Diversifying selection	1.199	0.0	SRV+Double
	test		Negative selection	0.113	0.0	SRV+Double
	test		Negative selection	0.166	100.0	SRV+Double
	reference		Diversifying selection	4.95	0.0	SRV+Double
	reference		Negative selection	0.127	20.493	SRV+Double
	reference		Negative selection	0.175	79.507	SRV+Double
	test		Diversifying selection	4.501	0.0	SRV+Double
	test		Diversifying selection	4.95	0.0	SRV+Double
	test		Negative selection	0.144	20.493	SRV+Double
	test		Negative selection	0.194	79.507	SRV+Double
	test		Negative selection	0.127	20.493	SRV+Double
	test		Negative selection	0.175	79.507	SRV+Double
	reference		Diversifying selection	1.502	0.0	SRV+Double
	reference		Negative selection	0.131	20.732	SRV+Double
	reference		Negative selection	0.176	79.268	SRV+Double
	test		Diversifying selection	1.502	0.0	SRV+Double
	test		Negative selection	0.131	20.732	SRV+Double
	test		Negative selection	0.176	79.268	SRV+Double
	reference		Diversifying selection	1.033	0.0	SRV+Double
	reference		Negative selection	0.104	0.0	SRV+Double
	reference		Negative selection	0.165	100.0	SRV+Double
	test		Diversifying selection	1.031	0.0	SRV+Double
	test		Diversifying selection	1.033	0.0	SRV+Double
	test		Negative selection	0.119	0.0	SRV+Double
	test		Negative selection	0.184	100.0	SRV+Double
	test		Negative selection	0.104	0.0	SRV+Double
	test		Negative selection	12	SRV+Double	
	test		Diversifying selection	0.165	100.0	SRV+Double
	reference		Diversifying selection	2.316	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	0.204	16.195	SRV	
	2	0.437	41.534	SRV	
	3	1.858	42.271	SRV	
	1	0.336	35.221	SRV	
	2	0.461	24.471	SRV	
	3	1.907	40.308	SRV	
	1	0.282	31.068	SRV	
	2	0.458	25.982	SRV	
	3	1.847	42.95	SRV	
SRV	1	0.271	28.101	SRV	
	2	0.454	29.076	SRV	
	3	1.849	42.823	SRV	
	1	0.272	28.308	SRV	
	2	0.456	28.958	SRV	
	3	1.851	42.734	SRV	
	1	0.272	30.798	SRV	
	2	0.481	26.671	SRV	
	3	1.853	42.531	SRV	
SRV	1	0.265	30.837	SRV	
	2	0.496	26.865	SRV	
	3	1.856	42.298	SRV	
	1	0.29	29.43	SRV	
	2	0.432	27.395	SRV	
	3	1.844	43.175	SRV	
	1	0.254	24.26	SRV	
	2	0.449	33.12	SRV	
	3	1.853	42.621	SRV	
SRV	1	0.316	27.827	SRV	
	2	0.387	28.597	SRV	
	3	1.839	43.576	SRV	

			test	2H	0.1116	SRV+Double	
			reference	2H	0.0	SRV+Double	
			test	2H	0.1228	SRV+Double	
			test	2H	0.0	SRV+Double	
			reference	2H	0.0	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	0.0	SRV+Double+Triple	
			reference	3H	0.0	SRV+Double+Triple	
			test	2H	0.1236	SRV+Double+Triple	
			test	2H	0.0	SRV+Double+Triple	
			test	3H	0.0	SRV+Double+Triple	
			reference	2H	0.0	SRV+Double+Triple	
			reference	3H	0.0	SRV+Double+Triple	
			test	2H	0.1119	SRV+Double+Triple	
			test	3H	0.0	SRV+Double+Triple	
			reference	2H	0.0	SRV+Double+Triple	
			reference	3H	0.0	SRV+Double+Triple	
			test	2H	0.1229	SRV+Double+Triple	
			test	2H	0.0	SRV+Double+Triple	
			test	3H	0.0	SRV+Double+Triple	
			reference	2H	0.0	SRV+Double+Triple	
			reference	3H	0.0	SRV+Double+Triple	
			test	2H	0.1127	SRV+Double+Triple	
			test	3H	0.0	SRV+Double+Triple	
			reference	2H	0.0	SRV+Double+Triple	
			reference	3H	0.0	SRV+Double+Triple	
			test	2H	0.1234	SRV+Double+Triple	
			test	2H	0.0	SRV+Double+Triple	
			test	3H	0.0	SRV+Double+Triple	
			reference	2H	0.0322	SRV+Double+Triple	
			reference	2H	0.0	SRV+Double+Triple	
			reference	3H	0.0	SRV+Double+Triple	
			test	2H	0.1123	SRV+Double+Triple	
			test	3H	0.0	SRV+Double+Triple	
			reference	2H	0.0	SRV+Double+Triple	
			reference	3H	0.0	SRV+Double+Triple	
			test	2H	0.1236	SRV+Double+Triple	
			test	2H	0.0	SRV+Double+Triple	
			test	3H	0.0	SRV+Double+Triple	
			reference	2H	0.0195	SRV+Double+Triple	
			reference	2H	0.0	SRV+Double+Triple	
			reference	3H	0.0	SRV+Double+Triple	
			test	2H	0.1123	SRV+Double+Triple	
			test	3H	0.0	SRV+Double+Triple	
			reference	2H	0.0	SRV+Double+Triple	
			reference	3H	0.0	SRV+Double+Triple	
			test	2H	0.123	SRV+Double+Triple	
			test	2H	0.0	SRV+Double+Triple	