

## 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)

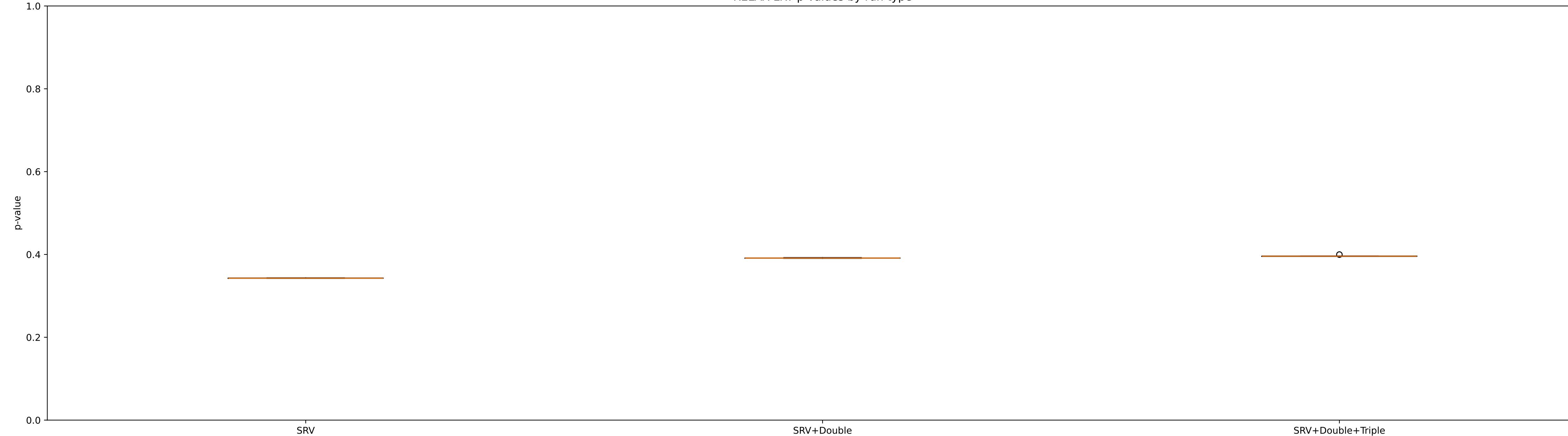
## Run-type summary statistics

<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>
0.3426	0.3423	0.3435	0.73	0.73	0.73	0.2364	0.3056	10	nan	nan
0.3913	0.3906	0.3924	0.75	0.75	0.75	0.2364	0.3058	10	0.0418	0.2471
0.3958	0.3952	0.3997	0.76	0.76	0.76	0.2362	0.3057	10	0.0487	0.2446

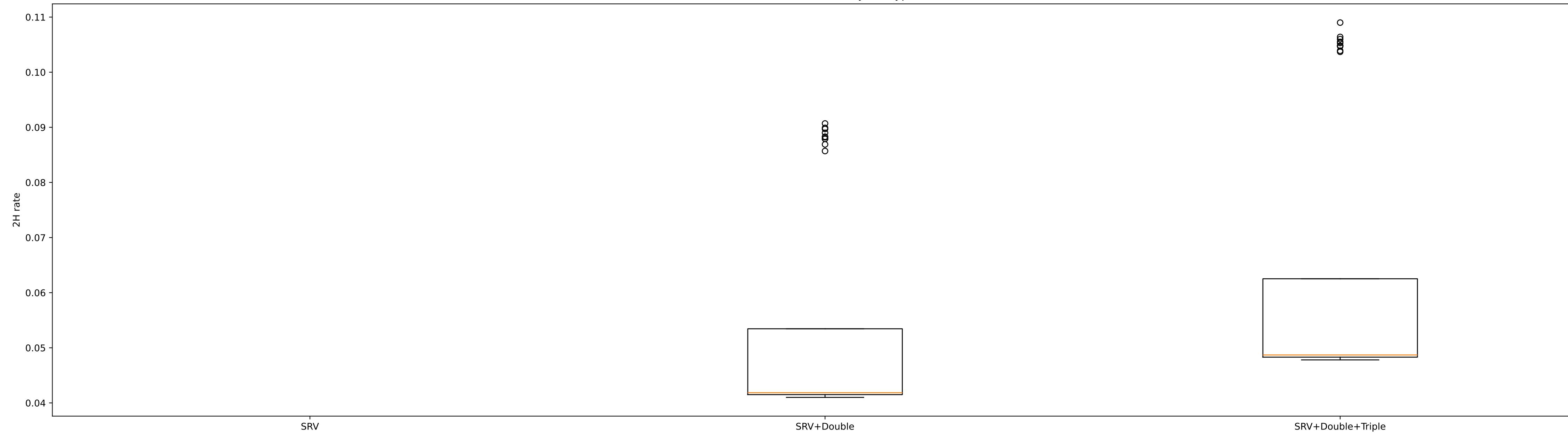
K (alternative) by run type



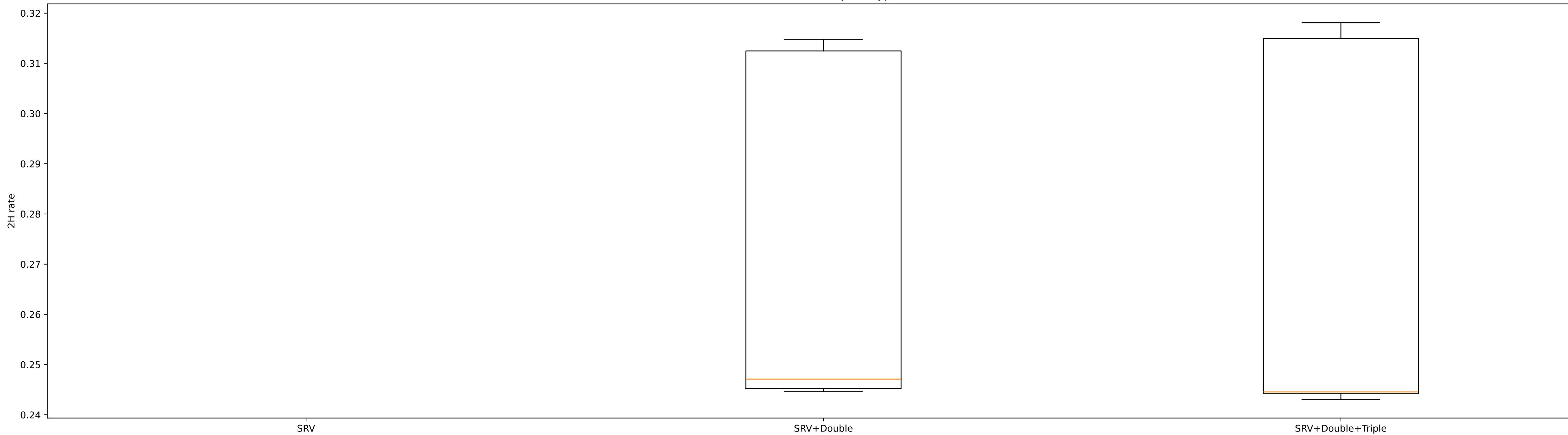
RELAX LRT p-values by run type



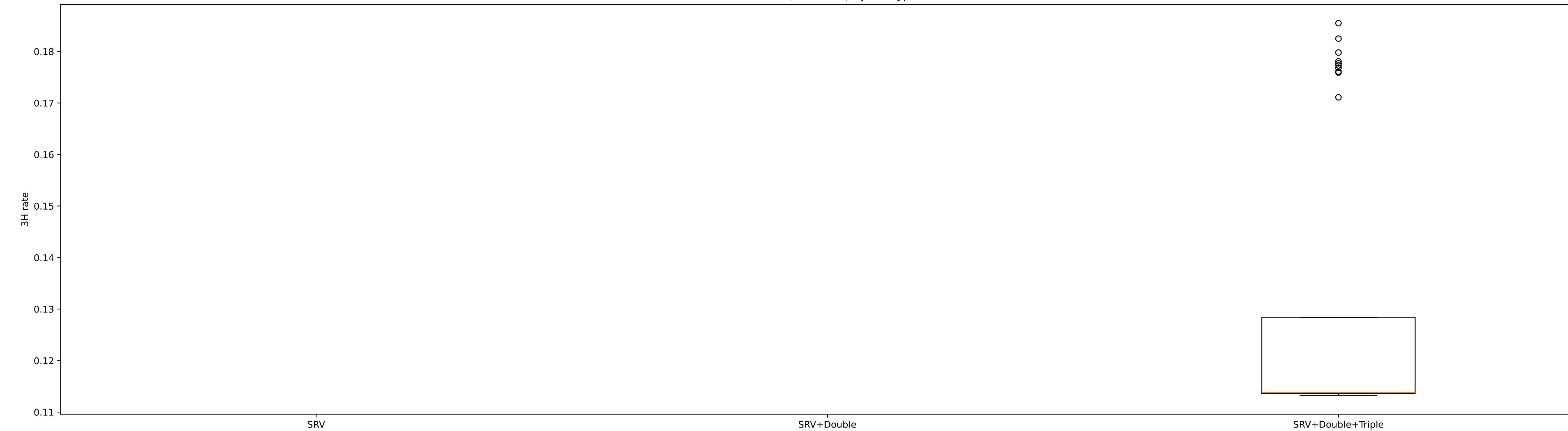
2H rates (reference) by run type



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	0.3432	0.73	0.2362	0.3058
	2	0.3431	0.73	0.2364	0.3058
	3	0.3423	0.73	0.2364	0.3058
	4	0.3424	0.73	0.2366	0.3054
	5	0.3435	0.73	0.2365	0.3056
	6	0.3427	0.73	0.2366	0.3054
	7	0.3423	0.73	0.2362	0.3049
	8	0.3426	0.73	0.2362	0.3049
	9	0.343	0.73	0.2365	0.3056
	10	0.3426	0.73	0.2365	0.3056

## 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	0.3913	0.75	0.2362	0.3058
	2	0.3915	0.75	0.2362	0.3058
	3	0.3907	0.75	0.2364	0.3058
	4	0.3919	0.75	0.2362	0.3058
	5	0.3913	0.75	0.2364	0.3058
	6	0.3916	0.75	0.2363	0.3047
	7	0.3908	0.75	0.2362	0.3058
	8	0.3906	0.75	0.2366	0.3054
	9	0.3911	0.75	0.2366	0.3054
	10	0.3924	0.75	0.2365	0.3056

## 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	0.3952	0.76	0.2362	0.3058
	2	0.3959	0.76	0.2363	0.3047
	3	0.3964	0.76	0.2362	0.3049
	4	0.3953	0.76	0.2363	0.3047
	5	0.3963	0.76	0.2366	0.3054
	6	0.3997	0.76	0.2362	0.3058
	7	0.3952	0.76	0.2362	0.3058
	8	0.3956	0.76	0.2362	0.3058
	9	0.3961	0.76	0.2364	0.3058
	10	0.3952	0.76	0.2365	0.3056

	test	Negative selection	0.279	35.057	SRV+Double
	test	Negative selection	0.328	64.735	SRV+Double
	test	Negative selection	0.183	35.057	SRV+Double
	test	Negative selection	0.227	64.735	SRV+Double
	reference	Diversifying selection	0.22	SRV+Double	
	reference	Negative selection	0.186	36.529	SRV+Double
	reference	Negative selection	0.227	63.252	SRV+Double
	test	Diversifying selection	6.005	0.22	SRV+Double
	test	Negative selection	0.186	36.529	SRV+Double
	test	Negative selection	0.227	63.252	SRV+Double
	reference	Diversifying selection	6.202	0.208	SRV+Double
	reference	Negative selection	0.18	16.351	SRV+Double
	reference	Negative selection	0.217	83.441	SRV+Double
	test	Diversifying selection	3.942	0.208	SRV+Double
	test	Diversifying selection	6.202	0.208	SRV+Double
	test	Negative selection	0.275	16.351	SRV+Double
	test	Negative selection	0.317	83.441	SRV+Double
	test	Negative selection	0.18	16.351	SRV+Double
	test	Negative selection	0.217	83.441	SRV+Double
	reference	Diversifying selection	5.967	0.223	SRV+Double
	reference	Negative selection	0.189	18.844	SRV+Double
	reference	Negative selection	0.217	80.932	SRV+Double
	test	Diversifying selection	5.967	0.223	SRV+Double
	test	Negative selection	0.189	18.844	SRV+Double
	test	Negative selection	0.217	80.932	SRV+Double
	reference	Diversifying selection	6.13	0.214	SRV+Double
	reference	Negative selection	0.191	40.1	SRV+Double
	reference	Negative selection	0.224	59.686	SRV+Double
	test	Diversifying selection	3.91	0.214	SRV+Double
	test	Diversifying selection	6.13	0.214	SRV+Double
	test	Negative selection	0.288	40.1	SRV+Double
	test	Negative selection	0.325	59.686	SRV+Double
	test	Negative selection	0.191	40.1	SRV+Double
	test	Negative selection	0.224	59.686	SRV+Double
	reference	Diversifying selection	5.969	0.224	SRV+Double
	reference	Negative selection	0.195	42.709	SRV+Double
	reference	Negative selection	0.225	57.067	SRV+Double
	test	Diversifying selection	5.969	0.224	SRV+Double
	test	Negative selection	0.195	42.709	SRV+Double
	test	Negative selection	0.225	57.067	SRV+Double
	reference	Diversifying selection	6.225	0.205	SRV+Double
	reference	Negative selection	0.183	12.216	SRV+Double
	reference	Negative selection	0.215	87.578	SRV+Double
	test	Diversifying selection	3.968	0.205	SRV+Double
	test	Diversifying selection	6.225	0.205	SRV+Double
	test	Negative selection	0.278	12.216	SRV+Double
	test	Negative selection	0.314	87.578	SRV+Double
	test	Negative selection	0.183	12.216	SRV+Double
	test	Negative selection	0.215	87.578	SRV+Double
	reference	Diversifying selection	5.989	0.223	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	0.115	8.221	SRV	
	2	0.862	82.681	SRV	
	3	3.058	9.097	SRV	
	1	0.115	8.23	SRV	
	2	0.862	82.672	SRV	
	3	3.058	9.098	SRV	
	1	0.119	8.366	SRV	
	2	0.863	82.563	SRV	
	3	3.063	9.071	SRV	
SRV	1	0.117	8.317	SRV	
	2	0.862	82.583	SRV	
	3	3.055	9.1	SRV	
	1	0.117	8.327	SRV	
	2	0.863	82.603	SRV	
	3	3.061	9.07	SRV	
	1	0.113	8.147	SRV	
	2	0.861	82.715	SRV	
	3	3.052	9.138	SRV	
SRV	1	0.116	8.264	SRV	
	2	0.862	82.636	SRV	
	3	3.058	9.1	SRV	
	1	0.119	8.369	SRV	
	2	0.863	82.56	SRV	
	3	3.061	9.071	SRV	
	1	0.117	8.308	SRV	
	2	0.863	82.612	SRV	
	3	3.058	9.08	SRV	
SRV	1	0.116	8.274	SRV	
	2	0.862	82.638	SRV	
	3	3.06	9.087	SRV	

	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0479	SRV+Double+Triple	
	reference		2H	0.0487	SRV+Double+Triple	
	reference		3H	0.1139	SRV+Double+Triple	
	reference		3H	0.1136	SRV+Double+Triple	
<b>Multihit (2H/3H) rates (all) (cols 1-6/6)</b>						
	test		2H	0.3166	SRV+Double+Triple	
	test		2H	0.2451	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.1048	SRV+Double+Triple	
	reference		2H	0.0487	SRV+Double+Triple	
	reference		3H	0.1773	SRV+Double+Triple	
	reference		3H	0.1135	SRV+Double+Triple	
	test		2H	0.2444	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0478	SRV+Double+Triple	
	reference		2H	0.0488	SRV+Double+Triple	
	reference		3H	0.1139	SRV+Double+Triple	
	reference		3H	0.1136	SRV+Double+Triple	
	test		2H	0.3158	SRV+Double+Triple	
	test		2H	0.2448	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.1037	SRV+Double+Triple	
	reference		2H	0.0485	SRV+Double+Triple	
	reference		3H	0.1711	SRV+Double+Triple	
	reference		3H	0.1134	SRV+Double+Triple	
	test		2H	0.2448	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0479	SRV+Double+Triple	
	reference		2H	0.0487	SRV+Double+Triple	
	reference		3H	0.1138	SRV+Double+Triple	
	reference		3H	0.1135	SRV+Double+Triple	
	test		2H	0.3149	SRV+Double+Triple	
	test		2H	0.2443	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.1047	SRV+Double+Triple	
	reference		2H	0.0487	SRV+Double+Triple	
	reference		3H	0.1781	SRV+Double+Triple	
	reference		3H	0.1137	SRV+Double+Triple	
	test		2H	0.2442	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.0479	SRV+Double+Triple	
	reference		2H	0.0487	SRV+Double+Triple	
	reference		3H	0.1139	SRV+Double+Triple	
	reference		3H	0.1137	SRV+Double+Triple	
	test		2H	0.315	SRV+Double+Triple	
	test		2H	0.2444	SRV+Double+Triple	
	test		3H	0.0	SRV+Double+Triple	
	reference		2H	0.1064	SRV+Double+Triple	
	reference		2H	0.0486	SRV+Double+Triple	
	reference		3H	0.1759	SRV+Double+Triple	