

RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

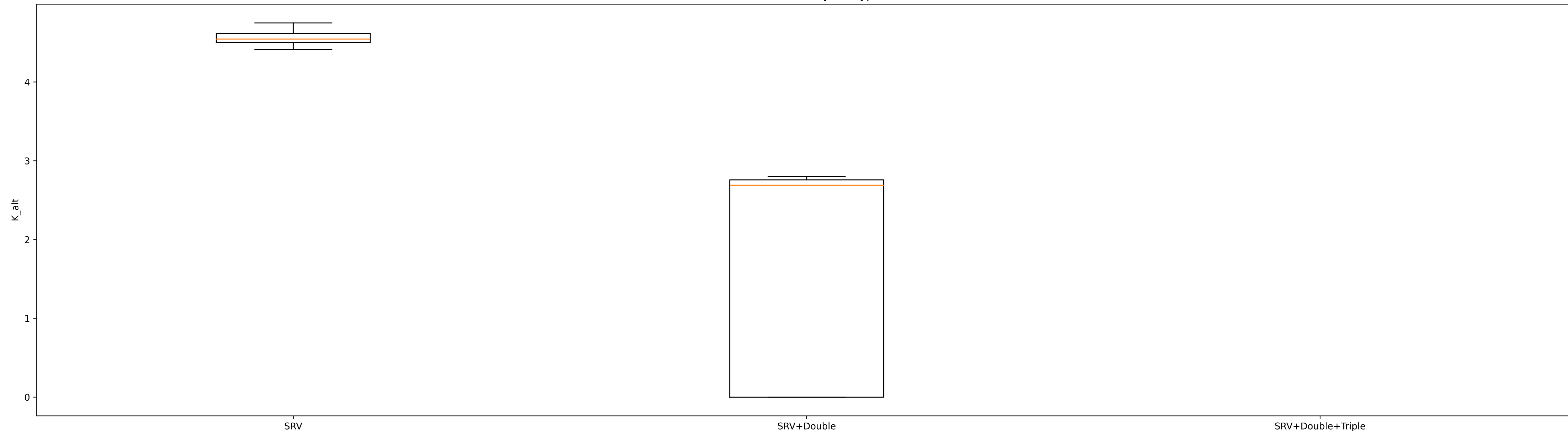
Includes:

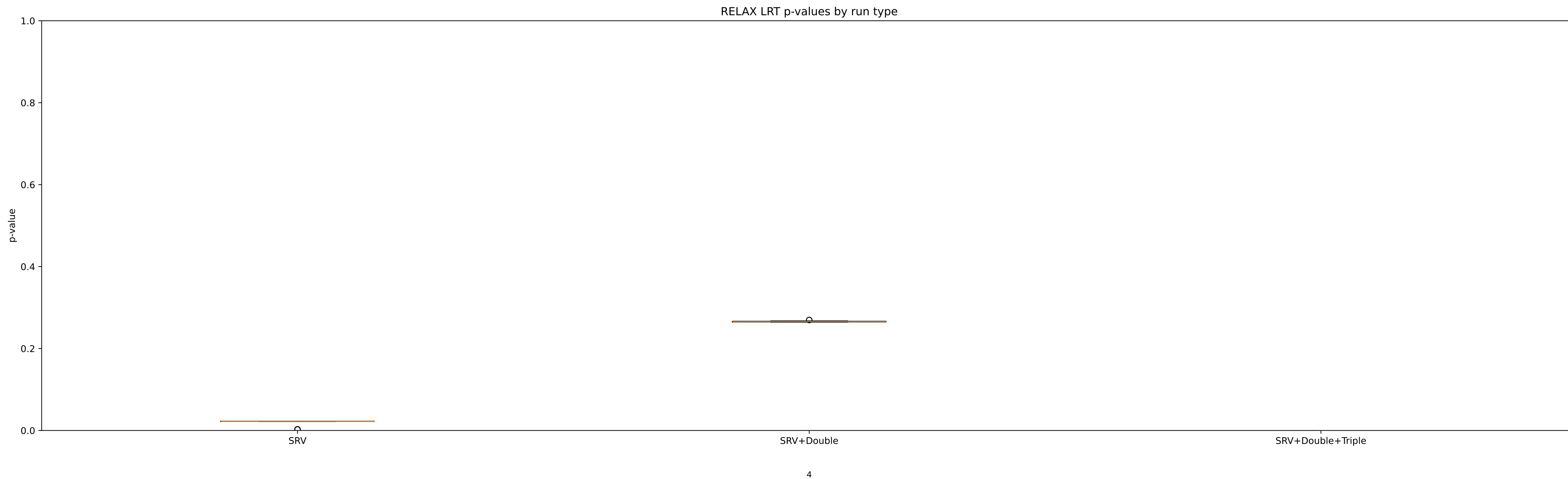
- Run-type summary
- Boxplots: K, p-values, 2H/3H
- Full omega/SRV/multihit tables (column-paged)

Run-type summary statistics

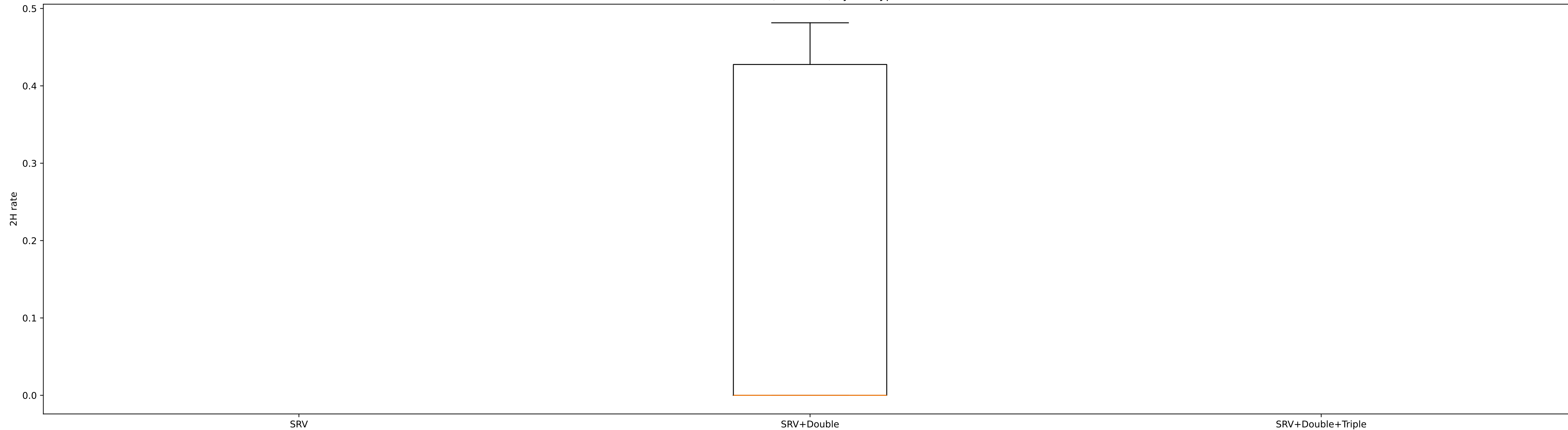
p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_med ian	omega_test_med ian	warnings_count	2H_reference_m edian	2H_test_median
0.0226	0.0026	0.0229	4.545	4.41	4.75	0.2914	1.9113	10	nan	nan
0.2659	0.2645	0.2697	2.69	0.0	2.8	0.2914	1.9113	10	0.0	1.7418
nan	nan	nan	nan	nan	nan	nan	nan	0	nan	nan

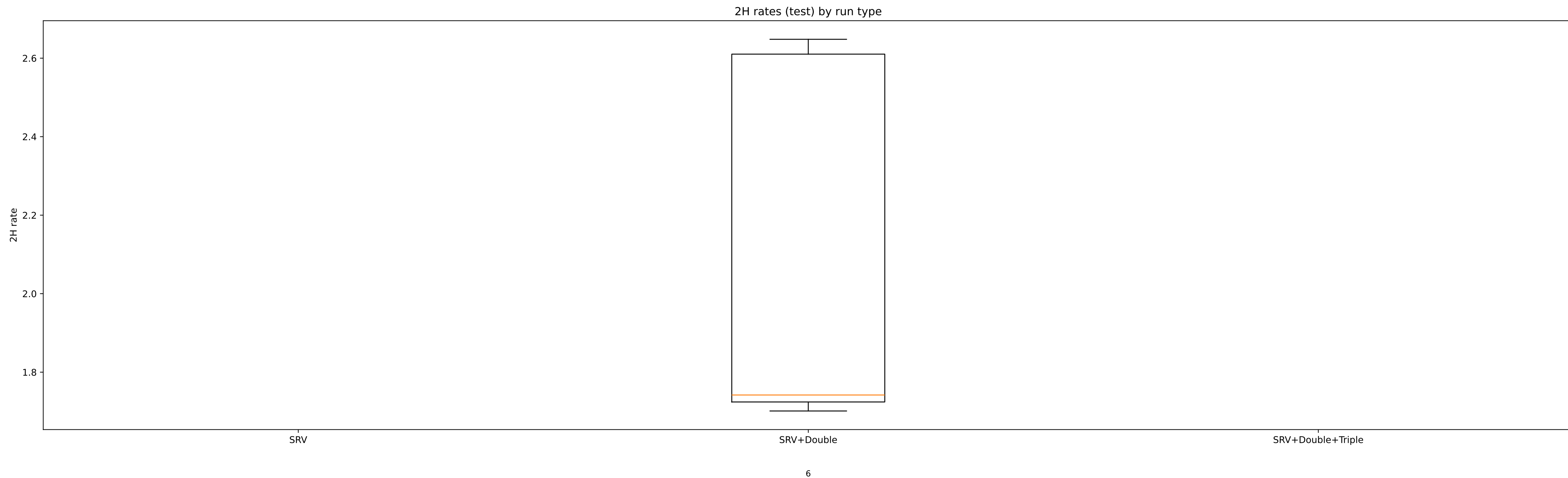
K (alternative) by run type





2H rates (reference) by run type





No 3H rates available

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.0229	4.41	0.2914	1.9113	
	2	0.0222	4.63	0.2914	1.9113	
	3	0.0228	4.54	0.2914	1.9113	
	4	0.0228	4.55	0.2914	1.9113	
	5	0.0227	4.75	0.2914	1.9113	
	6	0.0026	4.5	0.2914	1.9113	
	7	0.0027	4.7	0.2914	1.9113	
	8	0.0226	4.57	0.2914	1.9113	
	9	0.0226	4.47	0.2914	1.9113	
	10	0.0224	4.51	0.2914	1.9113	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.2648	2.77	0.2914	1.9113	
	2	0.2658	0.0	0.2914	1.9113	
	3	0.2655	2.8	0.2914	1.9113	
	4	0.2668	2.72	0.2914	1.9113	
	5	0.2674	2.7	0.2914	1.9113	
	6	0.2645	0.0	0.2914	1.9113	
	7	0.2662	0.0	0.2914	1.9113	
	8	0.2648	0.0	0.2914	1.9113	
	9	0.2697	2.68	0.2914	1.9113	
	10	0.266	2.78	0.2914	1.9113	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	nan	nan	nan	nan	
	2	nan	nan	nan	nan	
	3	nan	nan	nan	nan	
	4	nan	nan	nan	nan	
	5	nan	nan	nan	nan	
	6	nan	nan	nan	nan	
	7	nan	nan	nan	nan	
	8	nan	nan	nan	nan	
	9	nan	nan	nan	nan	
	10	nan	nan	nan	nan	

		test	Negative selection	0.0	70.929	SRV	
		test	Negative selection	0.0	70.929	SRV	
		test	Neutral evolution	1.0	28.524	SRV	
		test	Neutral evolution	1.0	28.524	SRV	
		reference	Diversifying selection	Ω-class distributions (all) (cols 1-7/7)	0.057	SRV	
		reference	Negative selection		68.966	SRV	
		reference	Neutral evolution		30.977	SRV	
		test	Diversifying selection		134161.131	SRV	
		test	Negative selection	0.0	68.966	SRV	
		test	Neutral evolution	1.0	30.977	SRV	
		reference	Diversifying selection	7.762	0.55	SRV	
		reference	Negative selection	0.0	70.911	SRV	
		reference	Neutral evolution	1.0	28.539	SRV	
		test	Diversifying selection	10363.062	0.55	SRV	
		test	Diversifying selection	7.762	0.55	SRV	
		test	Negative selection	0.0	70.911	SRV	
		test	Negative selection	0.0	70.911	SRV	
		test	Neutral evolution	1.0	28.539	SRV	
		test	Neutral evolution	1.0	28.539	SRV	
		reference	Diversifying selection	496718.712	0.068	SRV	
		reference	Negative selection	0.0	69.075	SRV	
		reference	Neutral evolution	1.0	30.857	SRV	
		test	Diversifying selection	496718.712	0.068	SRV	
		test	Negative selection	0.0	69.075	SRV	
		test	Neutral evolution	1.0	30.857	SRV	
		reference	Diversifying selection	2.208	11.962	SRV+Double	
		reference	Negative selection	0.0	80.433	SRV+Double	
		reference	Neutral evolution	1.0	7.605	SRV+Double	
		test	Diversifying selection	9.004	11.962	SRV+Double	
		test	Diversifying selection	2.208	11.962	SRV+Double	
		test	Negative selection	0.0	80.433	SRV+Double	
		test	Negative selection	0.0	80.433	SRV+Double	
		test	Neutral evolution	1.0	7.605	SRV+Double	
		test	Neutral evolution	1.0	7.605	SRV+Double	
		reference	Diversifying selection	2.352	11.245	SRV+Double	
		reference	Negative selection	0.0	79.885	SRV+Double	
		reference	Neutral evolution	1.0	8.871	SRV+Double	
		test	Diversifying selection	2.352	11.245	SRV+Double	
		test	Negative selection	0.0	79.885	SRV+Double	
		test	Neutral evolution	1.0	8.871	SRV+Double	
		reference	Diversifying selection	1.796	18.637	SRV+Double	
		reference	Negative selection	0.0	81.363	SRV+Double	
		reference	Negative selection	0.171	0.0	SRV+Double	
		test	Diversifying selection	1.796	18.637	SRV+Double	
		test	Negative selection	0.0	81.363	SRV+Double	
		test	Negative selection	0.171	0.0	SRV+Double	
		test	Neutral evolution	1.0	0.0	SRV+Double	
		test	Neutral evolution	1.0	81.363	SRV+Double	
		test	Neutral evolution	1.0	18.637	SRV+Double	
		reference	Diversifying selection	1.95	17.988	SRV+Double	

		3	2.575	26.296	SRV	
		1	0.021	46.488	SRV	
		2	0.021	2.767	SRV	
		3	1.951	50.745	SRV	
		1	0.0	42.957	SRV	
		2	1.155	31.096	SRV	
		3	2.47	25.947	SRV	
		1	0.022	26.081	SRV	
		2	0.022	23.213	SRV	
		3	1.951	50.705	SRV	
		1	0.001	36.114	SRV	
		2	0.732	32.827	SRV	
		3	2.445	31.058	SRV	
		1	0.0	0.0	SRV	
		2	0.022	49.248	SRV	
		3	1.949	50.752	SRV	
		1	0.207	42.667	SRV	
		2	0.315	22.236	SRV	
		3	2.398	35.097	SRV	
		1	0.02	48.017	SRV	
		2	0.02	1.345	SRV	
		3	1.955	50.639	SRV	
		1	0.001	34.169	SRV	
		2	0.639	33.081	SRV	
		3	2.407	32.75	SRV	
		1	0.024	49.357	SRV	
		2	0.054	0.0	SRV	
		3	1.951	50.643	SRV	
		1	0.0	33.863	SRV	
		2	0.797	31.881	SRV	
		3	2.177	34.256	SRV	
		1	0.02	1.138	SRV	
		2	0.02	48.124	SRV	
		3	1.951	50.739	SRV	
		1	0.0	33.737	SRV	
		2	0.675	27.063	SRV	
		3	2.085	39.199	SRV	
		1	0.022	49.292	SRV	
		2	0.056	0.0	SRV	
		3	1.951	50.708	SRV	
		1	0.0	26.07	SRV	
		2	0.478	40.748	SRV	
		3	2.427	33.182	SRV	
		1	0.023	49.215	SRV	
		2	0.023	0.061	SRV	
		3	1.949	50.724	SRV	
		1	0.0	33.014	SRV	
		2	0.697	37.822	SRV	
		3	2.525	29.164	SRV	
		1	0.023	49.35	SRV	

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

	test	2H	1.7299	SRV+Double	
	reference	2H	0.4412	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	1.7271	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	2.624	SRV+Double	
	test	2H	1.7389	SRV+Double	
	reference	2H	0.4289	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	1.7052	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	2.6044	SRV+Double	
	test	2H	1.7481	SRV+Double	
	reference	2H	0.4791	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	1.7087	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	2.6228	SRV+Double	
	test	2H	1.7832	SRV+Double	
	reference	2H	0.4271	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	1.7011	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	2.6186	SRV+Double	
	test	2H	1.7897	SRV+Double	
	reference	2H	0.4278	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	1.7231	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	2.6103	SRV+Double	
	test	2H	1.731	SRV+Double	
	reference	2H	0.45	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	1.7065	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	2.6481	SRV+Double	
	test	2H	1.7358	SRV+Double	
	reference	2H	0.4245	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	1.7341	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	2.619	SRV+Double	
	test	2H	1.7448	SRV+Double	
	reference	2H	0.4815	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	1.7185	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	2.6103	SRV+Double	
	test	2H	1.7224	SRV+Double	
	reference	2H	0.4294	SRV+Double	