

# RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

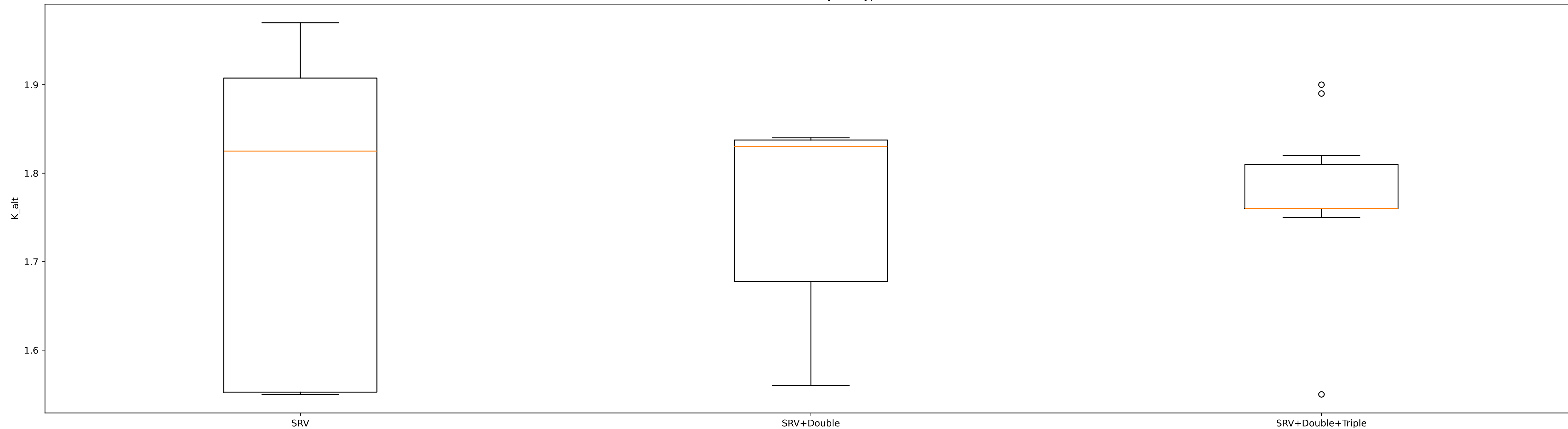
Includes:

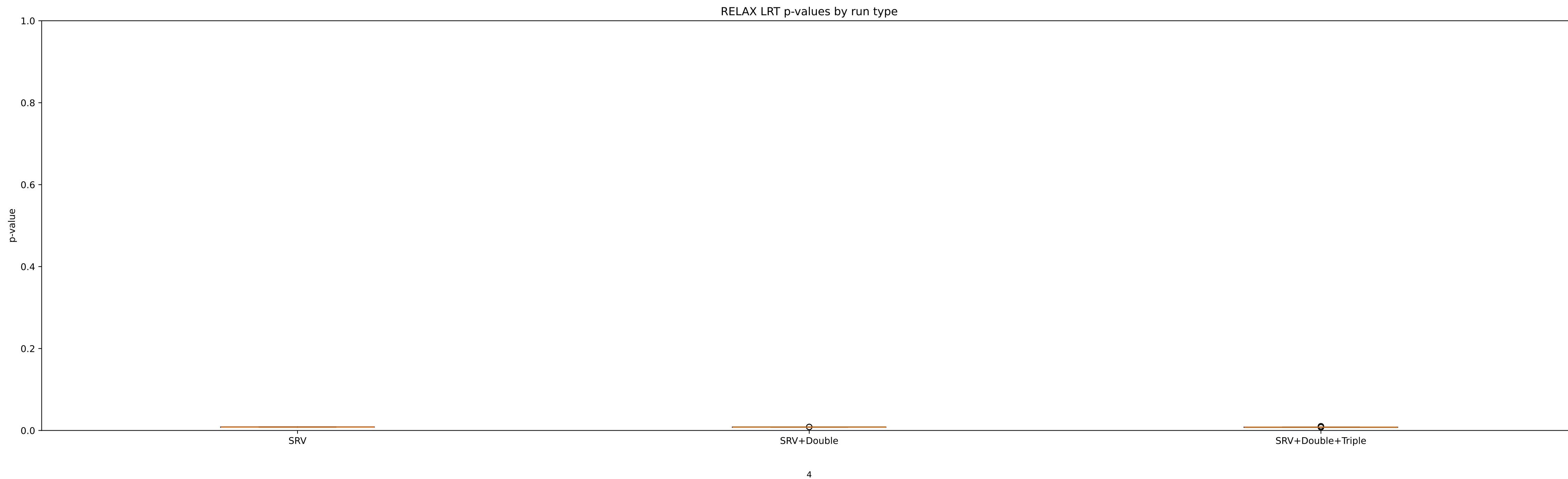
- Run-type summary
- Boxplots: K, p-values, 2H/3H
- Full omega/SRV/multihit tables (column-paged)

Run-type summary statistics

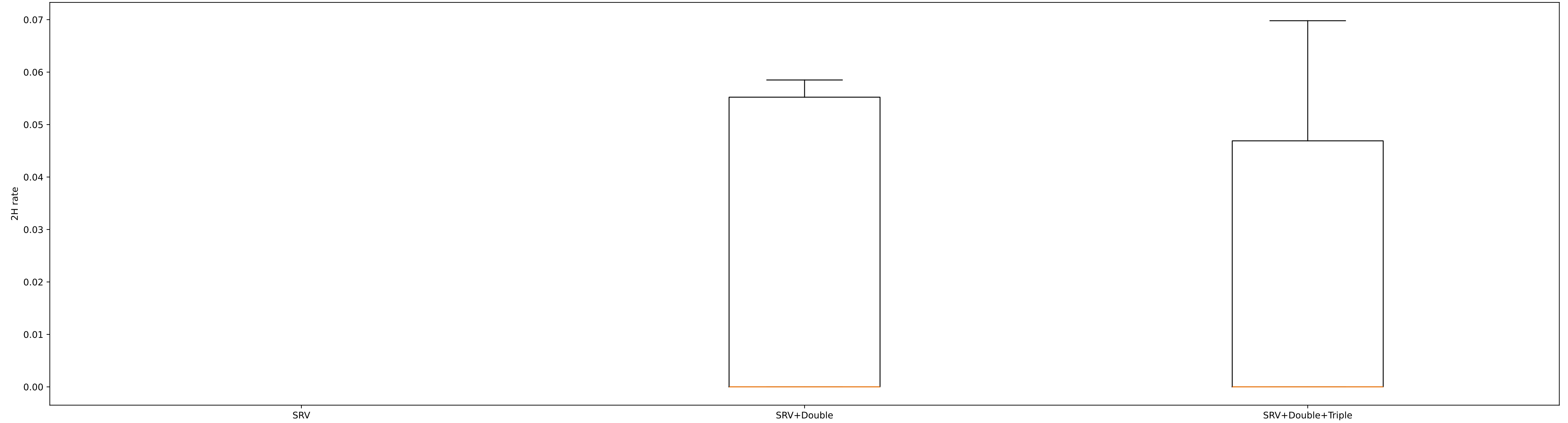
p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_med ian	omega_test_med ian	warnings_count	2H_reference_m edian	2H_test_median
0.0082	0.008	0.0087	1.825	1.55	1.97	0.3062	0.1556	9	nan	nan
0.0081	0.0081	0.0086	1.83	1.56	1.84	0.3062	0.1556	8	0.0	0.0
0.0079	0.0078	0.0103	1.76	1.55	1.9	0.3062	0.1556	6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

K (alternative) by run type



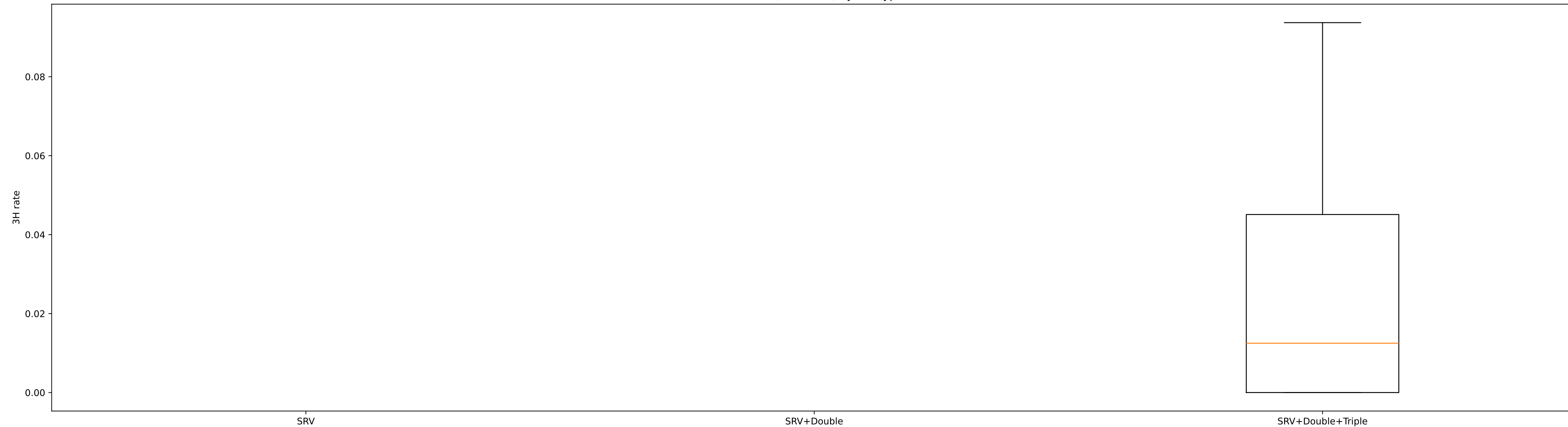


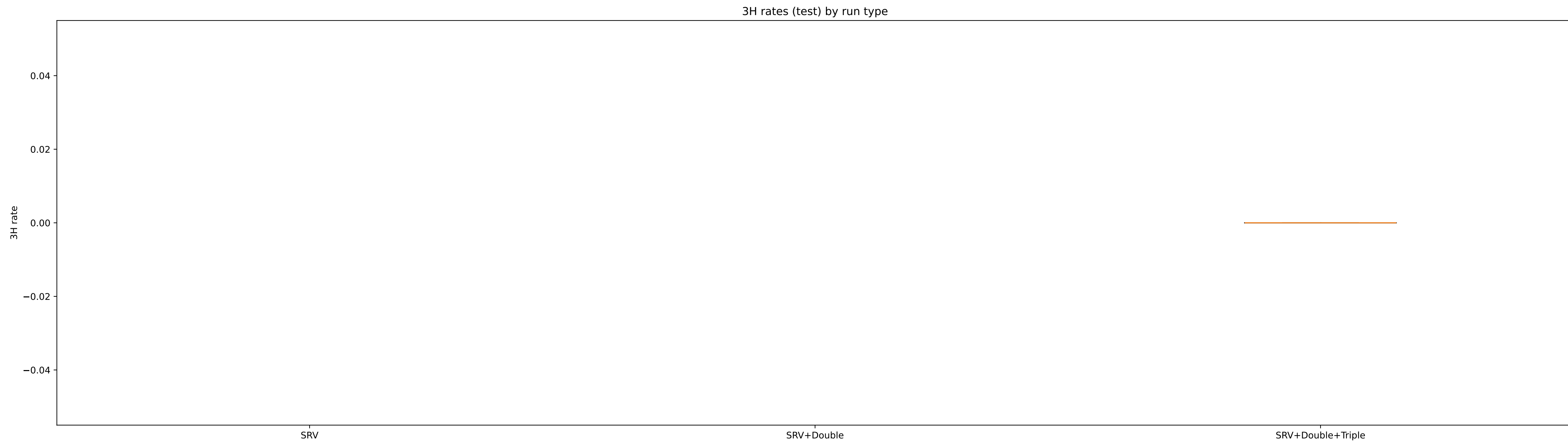
2H rates (reference) by run type





3H rates (reference) by run type







	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	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	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	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	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 s election	0.0	31.645	SRV+Double	
	test	Negative s election	0.221	68.355	SRV+Double	
	test	Negative s election	0.0	31.645	SRV+Double	
	test	Negative s election	0.44	68.355	SRV+Double	
	reference	Diversifyi ng selecti on	0.491	0.491	SRV+Double	
	reference	Negative s election	0.228	71.78	SRV+Double	
	reference	Negative s election	0.301	27.729	SRV+Double	
	test	Diversifyi ng selecti on	5.885	0.491	SRV+Double	
	test	Negative s election	0.228	71.78	SRV+Double	
	test	Negative s election	0.301	27.729	SRV+Double	
	reference	Diversifyi ng selecti on	2.519	0.0	SRV+Double	
	reference	Negative s election	0.0	31.769	SRV+Double	
	reference	Negative s election	0.441	68.231	SRV+Double	
	test	Diversifyi ng selecti on	5.492	0.0	SRV+Double	
	test	Diversifyi ng selecti on	2.519	0.0	SRV+Double	
	test	Negative s election	0.0	31.769	SRV+Double	
	test	Negative s election	0.221	68.231	SRV+Double	
	test	Negative s election	0.0	31.769	SRV+Double	
	test	Negative s election	0.441	68.231	SRV+Double	
	reference	Diversifyi ng selecti on	6.189	0.455	SRV+Double	
	reference	Negative s election	0.233	81.064	SRV+Double	
	reference	Negative s election	0.321	18.481	SRV+Double	
	test	Diversifyi ng selecti on	6.189	0.455	SRV+Double	
	test	Negative s election	0.233	81.064	SRV+Double	
	test	Negative s election	0.321	18.481	SRV+Double	
	reference	Diversifyi ng selecti on	2.337	0.0	SRV+Double	
	reference	Negative s election	0.0	30.51	SRV+Double	
	reference	Negative s election	0.431	69.49	SRV+Double	
	test	Diversifyi ng selecti on	4.675	0.0	SRV+Double	
	test	Diversifyi ng selecti on	2.337	0.0	SRV+Double	
	test	Negative s election	0.0	30.51	SRV+Double	
	test	Negative s election	0.217	69.49	SRV+Double	
	test	Negative s election	0.0	30.51	SRV+Double	
	test	Negative s election	0.431	69.49	SRV+Double	
	reference	Diversifyi ng selecti on	6.028	0.477	SRV+Double	
	reference	Negative s election	0.245	92.557	SRV+Double	
	reference	Negative s election	0.293	6.966	SRV+Double	
	test	Diversifyi ng selecti on	6.028	0.477	SRV+Double	
	test	Negative s election	0.245	92.557	SRV+Double	
	test	Negative s election	0.293	6.966	SRV+Double	
	reference	Diversifyi ng selecti on	21.334	0.059	SRV+Double	
	reference	Negative s election	0.0	13.714	SRV+Double	
	reference	Negative s election	0.339	86.227	SRV+Double	
	test	Diversifyi ng selecti on	145.304	0.059	SRV+Double	
	test	Diversifyi ng selecti on	21.334	0.059	SRV+Double	
	test	Negative s election	0.0	13.714	SRV+Double	
	test	Negative s election	0.172	86.227	SRV+Double	
	test	Negative s election	0.0	13.714	SRV+Double	
	test	Negative s election	12 0.339	86.227	SRV+Double	
	reference	Diversifyi ng selecti on	5.886	0.487	SRV+Double	

		3	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	
		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	

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

	reference	2H	0.0632	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0101	SRV+Double+Triple	
	reference	3H	0.0452	SRV+Double+Triple	
	test	2H	Multihit (2H/3H) rates (all) (cols 1-6/6)	SRV+Double+Triple	
	test	3H		SRV+Double+Triple	
	reference	2H		SRV+Double+Triple	
	reference	3H		SRV+Double+Triple	
	test	2H		SRV+Double+Triple	
	test	3H		SRV+Double+Triple	
	reference	2H	0.0689	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0889	SRV+Double+Triple	
	reference	3H	0.0286	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	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.046	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	reference	3H	0.0446	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	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0637	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0149	SRV+Double+Triple	
	reference	3H	0.0448	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	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0458	SRV+Double+Triple	
	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0	SRV+Double+Triple	
	reference	3H	0.0465	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	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	