

# RELAX Combined Report

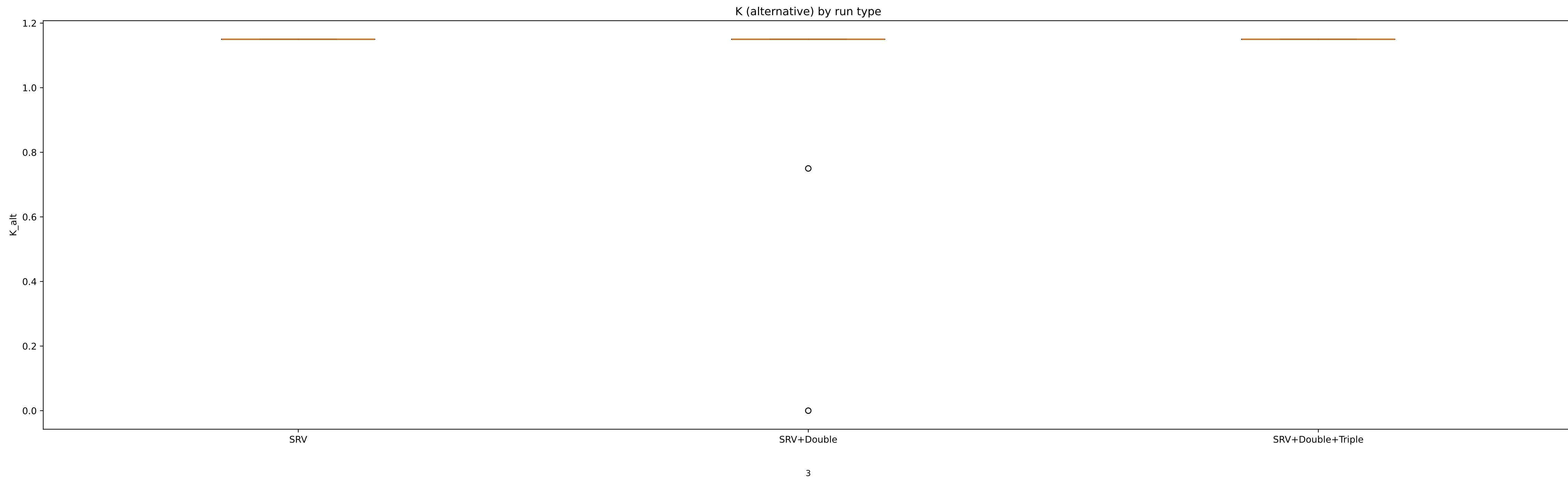
SRV vs SRV+Double vs SRV+Double+Triple

Includes:

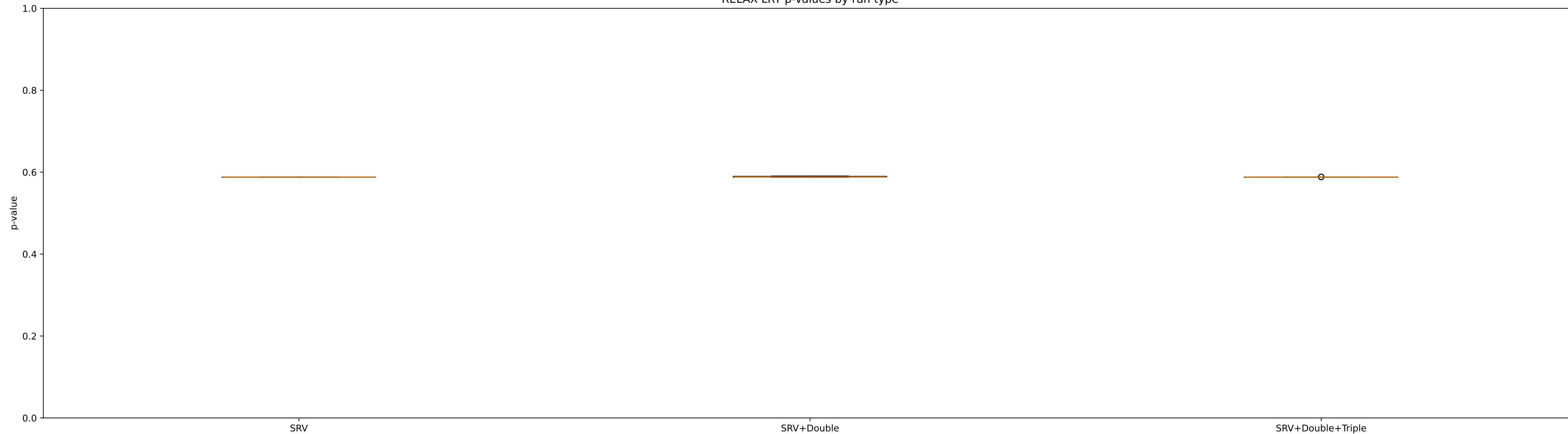
- Run-type summary
- Boxplots: K, p-values, 2H/3H
- Full omega/SRV/multihit tables (column-paged)

Run-type summary statistics

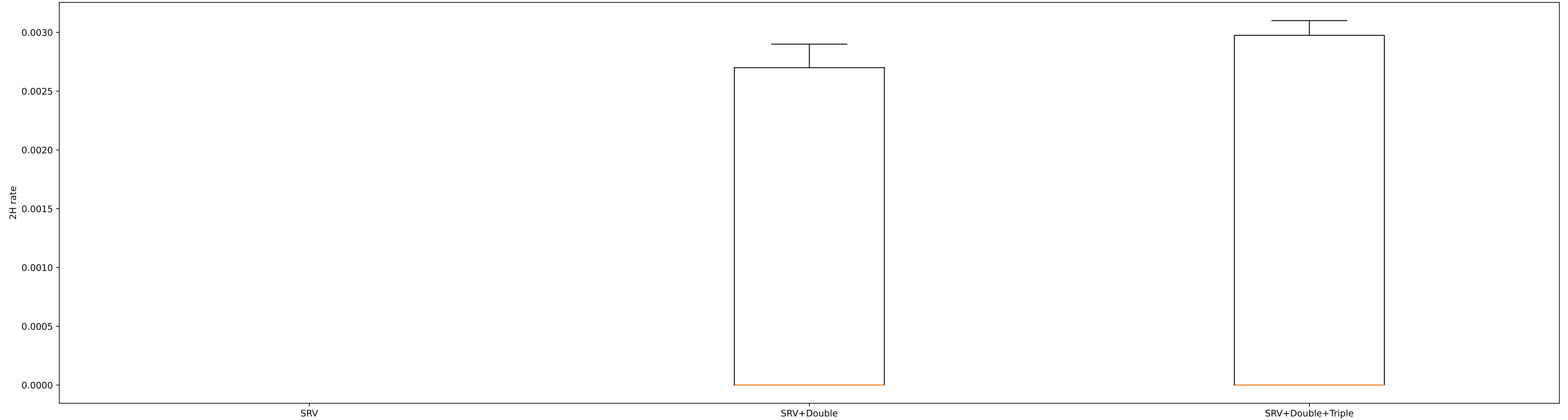
p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_med ian	omega_test_med ian	warnings_count	2H_reference_m edian	2H_test_median
0.5878	0.5877	0.588	1.15	1.15	1.15	0.2441	0.2024	10	nan	nan
0.5884	0.5877	0.5905	1.15	0.0	1.15	0.2441	0.2024	10	0.0	0.0
0.5878	0.5877	0.5884	1.15	1.15	1.15	0.2441	0.2024	10	0.0	0.0



RELAX LRT p-values 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	0.588	1.15	0.2441	0.2024	
	2	0.5879	1.15	0.2441	0.2024	
	3	0.5878	1.15	0.2441	0.2024	
	4	0.5878	1.15	0.2441	0.2024	
	5	0.5878	1.15	0.2441	0.2024	
	6	0.5878	1.15	0.2441	0.2024	
	7	0.5879	1.15	0.2441	0.2024	
	8	0.5877	1.15	0.2441	0.2024	
	9	0.5878	1.15	0.2441	0.2024	
	10	0.5879	1.15	0.2441	0.2024	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.5877	0.75	0.2441	0.2024	
	2	0.5905	1.15	0.2441	0.2024	
	3	0.5898	1.15	0.2441	0.2024	
	4	0.5903	1.15	0.2441	0.2024	
	5	0.5884	1.15	0.2441	0.2024	
	6	0.5877	0.0	0.2441	0.2024	
	7	0.5879	1.15	0.2441	0.2024	
	8	0.5881	1.15	0.2441	0.2024	
	9	0.5894	1.15	0.2441	0.2024	
	10	0.5883	1.15	0.2441	0.2024	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.5884	1.15	0.2441	0.2024	
	2	0.5878	1.15	0.2441	0.2024	
	3	0.5878	1.15	0.2441	0.2024	
	4	0.5878	1.15	0.2441	0.2024	
	5	0.5878	1.15	0.2441	0.2024	
	6	0.5878	1.15	0.2441	0.2024	
	7	0.5877	1.15	0.2441	0.2024	
	8	0.5883	1.15	0.2441	0.2024	
	9	0.5878	1.15	0.2441	0.2024	
	10	0.5879	1.15	0.2441	0.2024	

	test	Negative selection	0.163	28.738	SRV+Double	
	test	Negative selection	0.21	71.262	SRV+Double	
	test	Negative selection	0.206	28.738	SRV+Double	
	test	Negative selection	0.257	71.262	SRV+Double	
	reference	Diversifying selection	Ω-class distributions (all) (cols 1-7/7)	0.0	SRV+Double	
	reference	Negative selection		40.3	SRV+Double	
	reference	Negative selection		59.7	SRV+Double	
	test	Diversifying selection		0.0	SRV+Double	
	test	Negative selection		40.3	SRV+Double	
	test	Negative selection		59.7	SRV+Double	
	reference	Diversifying selection		0.0	SRV+Double	
	reference	Negative selection		13.613	SRV+Double	
	reference	Negative selection		86.387	SRV+Double	
	test	Diversifying selection		0.0	SRV+Double	
	test	Diversifying selection		0.0	SRV+Double	
	test	Negative selection		13.613	SRV+Double	
	test	Negative selection	0.2	86.387	SRV+Double	
	test	Negative selection	0.22	13.613	SRV+Double	
	test	Negative selection	0.246	86.387	SRV+Double	
	reference	Diversifying selection	1.352	0.0	SRV+Double	
	reference	Negative selection	0.227	21.138	SRV+Double	
	reference	Negative selection	0.233	78.862	SRV+Double	
	test	Diversifying selection	1.352	0.0	SRV+Double	
	test	Negative selection	0.227	21.138	SRV+Double	
	test	Negative selection	0.233	78.862	SRV+Double	
	reference	Diversifying selection	1.012	24.233	SRV+Double	
	reference	Negative selection	0.0	75.767	SRV+Double	
	reference	Negative selection	0.0	0.0	SRV+Double	
	test	Diversifying selection	1.0	24.233	SRV+Double	
	test	Diversifying selection	1.012	24.233	SRV+Double	
	test	Negative selection	0.0	75.767	SRV+Double	
	test	Negative selection	0.996	0.0	SRV+Double	
	test	Negative selection	0.0	75.767	SRV+Double	
	test	Negative selection	0.0	0.0	SRV+Double	
	reference	Diversifying selection	1.063	0.0	SRV+Double	
	reference	Negative selection	0.0	0.0	SRV+Double	
	reference	Negative selection	0.232	100.0	SRV+Double	
	test	Diversifying selection	1.063	0.0	SRV+Double	
	test	Negative selection	0.0	0.0	SRV+Double	
	test	Negative selection	0.232	100.0	SRV+Double	
	reference	Diversifying selection	2.887	0.0	SRV+Double	
	reference	Negative selection	0.242	100.0	SRV+Double	
	reference	Negative selection	0.245	0.0	SRV+Double	
	test	Diversifying selection	3.379	0.0	SRV+Double	
	test	Diversifying selection	2.887	0.0	SRV+Double	
	test	Negative selection	0.196	100.0	SRV+Double	
	test	Negative selection	0.199	0.0	SRV+Double	
	test	Negative selection	0.242	100.0	SRV+Double	
	test	Negative selection	12 0.245	0.0	SRV+Double	
	reference	Diversifying selection	2.166	0.0	SRV+Double	

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.0	14.224	SRV	
	2	0.0	36.172	SRV	
	3	2.016	49.604	SRV	
	1	0.0	12.733	SRV	
	2	0.0	37.666	SRV	
	3	2.016	49.601	SRV	
	1	0.0	13.703	SRV	
	2	0.0	36.696	SRV	
	3	2.016	49.602	SRV	
	1	0.0	34.822	SRV	
	2	0.0	15.578	SRV	
	3	2.016	49.6	SRV	
	1	0.0	13.889	SRV	
	2	0.0	36.508	SRV	
	3	2.016	49.603	SRV	
	1	0.0	15.197	SRV	
	2	0.0	35.203	SRV	
	3	2.016	49.6	SRV	
	1	0.0	14.067	SRV	
	2	0.0	36.333	SRV	
	3	2.016	49.6	SRV	
	1	0.0	50.401	SRV	
	2	2.016	31.527	SRV	
	3	2.016	18.072	SRV	
	1	0.0	14.872	SRV	
	2	0.0	35.529	SRV	
	3	2.016	49.599	SRV	
	1	0.0	50.401	SRV	
	2	2.016	40.098	SRV	
	3	2.016	9.501	SRV	

	reference	2H	0.0	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	0.0	SRV+Double	
	test	2H	0.0	SRV+Double	
	reference	2H	Multihit (2H/3H) rates (all) (cols 1-6/6) 0.003	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	0.0	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	0.0029	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	0.0	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	0.0029	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	0.0	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	0.003	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	0.0	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	0.003	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	0.0	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	0.003	SRV+Double+Triple	