

RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

Includes:

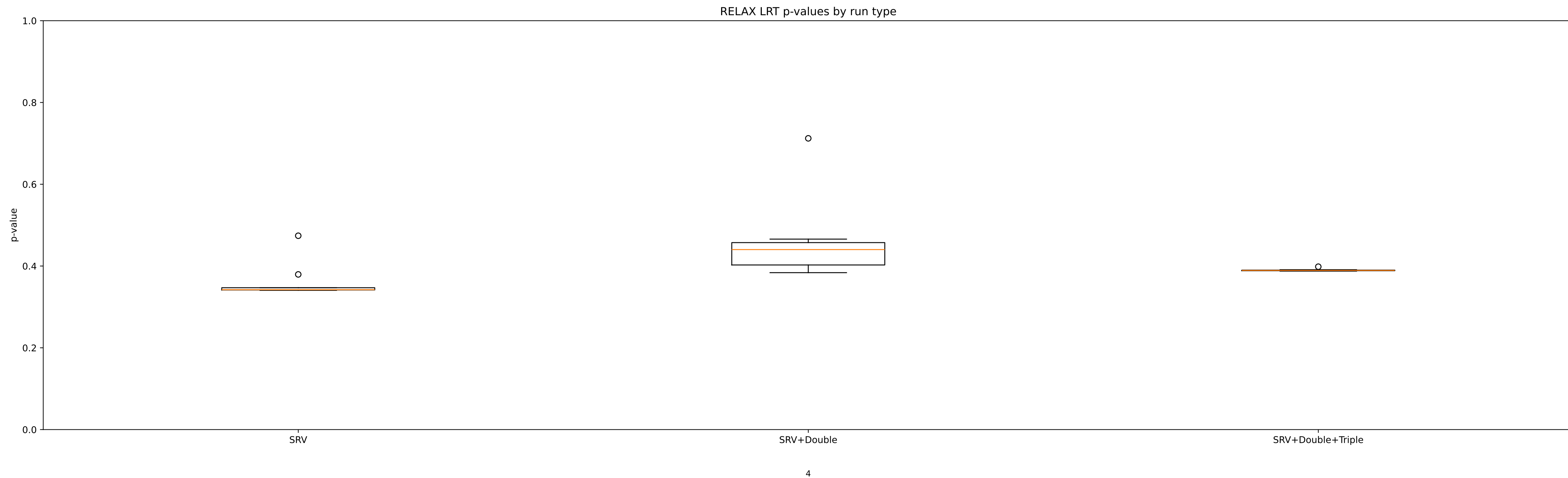
- Run-type summary
- Boxplots: K, p-values, 2H/3H
- Full omega/SRV/multihit tables (column-paged)

Run-type summary statistics

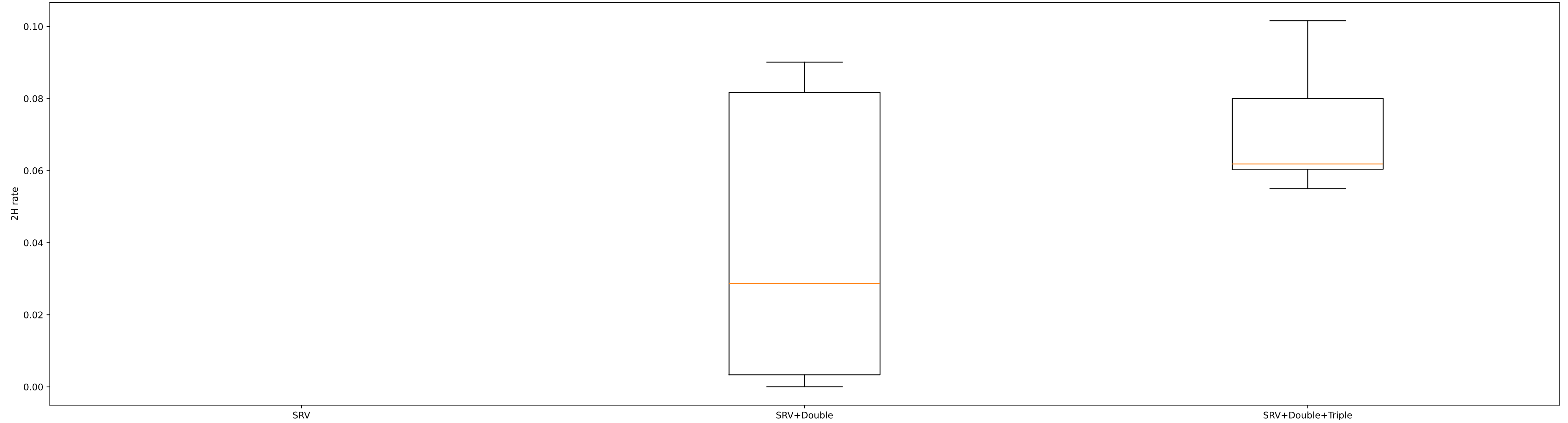
p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_med ian	omega_test_med ian	warnings_count	2H_reference_m edian	2H_test_median
0.3421	0.3406	0.4741	1.99	1.46	2.14	0.225	0.1152	9	nan	nan
0.4402	0.3838	0.7123	1.465	1.4	1.55	0.225	0.1152	10	0.0287	0.0
0.3892	0.3876	0.3984	1.49	1.37	1.5	0.225	0.1152	10	0.0618	0.0

K (alternative) by run type



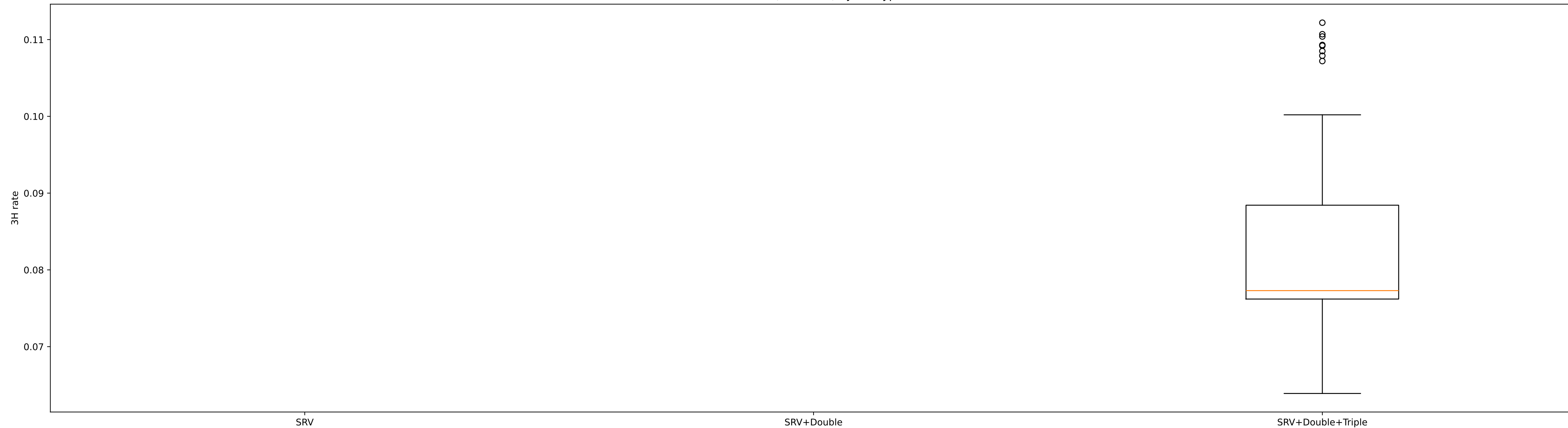


2H rates (reference) by run type





3H rates (reference) by run type





	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.3795	1.61	0.225	0.1152	
	2	0.3407	1.99	0.225	0.1152	
	3	0.3417	2.02	0.225	0.1152	
	4	nan	nan	0.225	0.1152	
	5	0.3406	2.03	0.225	0.1152	
	6	0.3448	1.95	0.225	0.1152	
	7	0.4741	1.46	0.225	0.1152	
	8	0.3421	2.14	0.225	0.1152	
	9	0.3415	2.02	0.225	0.1152	
	10	0.3469	1.92	0.225	0.1152	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.3838	1.47	0.225	0.1152	
	2	0.3857	1.46	0.225	0.1152	
	3	0.7123	1.41	0.225	0.1152	
	4	0.4382	1.54	0.225	0.1152	
	5	0.4394	1.55	0.225	0.1152	
	6	0.4658	1.42	0.225	0.1152	
	7	0.4622	1.4	0.225	0.1152	
	8	0.4411	1.53	0.225	0.1152	
	9	0.4425	1.54	0.225	0.1152	
	10	0.3907	1.41	0.225	0.1152	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.3883	1.49	0.225	0.1152	
	2	0.3887	1.42	0.225	0.1152	
	3	0.3884	1.49	0.225	0.1152	
	4	0.39	1.5	0.225	0.1152	
	5	0.391	1.5	0.225	0.1152	
	6	0.3876	1.48	0.225	0.1152	
	7	0.39	1.5	0.225	0.1152	
	8	0.3894	1.5	0.225	0.1152	
	9	0.3984	1.37	0.225	0.1152	
	10	0.389	1.49	0.225	0.1152	

	test	Negative selection	0.0	35.005	SRV+Double	
	test	Negative selection	0.317	64.95	SRV+Double	
	reference	Diversifying selection	215.41	0.038	SRV+Double	
	reference	Negative selection	Ω-class distributions (all) (cols 1-7/7)	34.6	SRV+Double	
	reference	Negative selection		65.362	SRV+Double	
	test	Diversifying selection		0.038	SRV+Double	
	test	Diversifying selection		0.038	SRV+Double	
	test	Negative selection		34.6	SRV+Double	
	test	Negative selection		65.362	SRV+Double	
	test	Negative selection		34.6	SRV+Double	
	test	Negative selection	0.321	65.362	SRV+Double	
	reference	Diversifying selection	159.421	0.045	SRV+Double	
	reference	Negative selection	0.0	34.847	SRV+Double	
	reference	Negative selection	0.316	65.108	SRV+Double	
	test	Diversifying selection	159.421	0.045	SRV+Double	
	test	Negative selection	0.0	34.847	SRV+Double	
	test	Negative selection	0.316	65.108	SRV+Double	
	reference	Diversifying selection	184.647	0.039	SRV+Double	
	reference	Negative selection	0.0	18.458	SRV+Double	
	reference	Negative selection	0.252	81.504	SRV+Double	
	test	Diversifying selection	1655.196	0.039	SRV+Double	
	test	Diversifying selection	184.647	0.039	SRV+Double	
	test	Negative selection	0.0	18.458	SRV+Double	
	test	Negative selection	0.141	81.504	SRV+Double	
	test	Negative selection	0.0	18.458	SRV+Double	
	test	Negative selection	0.252	81.504	SRV+Double	
	reference	Diversifying selection	141.382	0.045	SRV+Double	
	reference	Negative selection	0.0	20.394	SRV+Double	
	reference	Negative selection	0.254	79.561	SRV+Double	
	test	Diversifying selection	141.382	0.045	SRV+Double	
	test	Negative selection	0.0	20.394	SRV+Double	
	test	Negative selection	0.254	79.561	SRV+Double	
	reference	Diversifying selection	182.508	0.038	SRV+Double	
	reference	Negative selection	0.0	13.729	SRV+Double	
	reference	Negative selection	0.238	86.233	SRV+Double	
	test	Diversifying selection	1455.441	0.038	SRV+Double	
	test	Diversifying selection	182.508	0.038	SRV+Double	
	test	Negative selection	0.0	13.729	SRV+Double	
	test	Negative selection	0.134	86.233	SRV+Double	
	test	Negative selection	0.0	13.729	SRV+Double	
	test	Negative selection	0.238	86.233	SRV+Double	
	reference	Diversifying selection	141.116	0.045	SRV+Double	
	reference	Negative selection	0.0	13.058	SRV+Double	
	reference	Negative selection	0.231	86.897	SRV+Double	
	test	Diversifying selection	141.116	0.045	SRV+Double	
	test	Negative selection	0.0	13.058	SRV+Double	
	test	Negative selection	0.231	86.897	SRV+Double	
	reference	Diversifying selection	213.273	0.038	SRV+Double	
	reference	Negative selection	0.0	33.656	SRV+Double	

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.565	43.027	SRV	
	2	0.587	30.88	SRV	
	3	2.206	26.093	SRV	
	1	0.486	23.267	SRV	
	2	0.563	46.178	SRV	
	3	2.052	30.555	SRV	
	1	0.484	29.525	SRV	
	2	0.579	40.136	SRV	
	3	2.059	30.339	SRV	
	1	0.496	36.022	SRV	
	2	0.584	33.585	SRV	
	3	2.058	30.393	SRV	
	1	0.508	41.691	SRV	
	2	0.585	28.064	SRV	
	3	2.063	30.245	SRV	
	1	0.027	20.204	SRV	
	2	1.081	72.942	SRV	
	3	3.003	6.854	SRV	
	1	0.495	32.707	SRV	
	2	0.578	36.985	SRV	
	3	2.06	30.309	SRV	
	1	0.487	31.612	SRV	
	2	0.582	37.964	SRV	
	3	2.055	30.425	SRV	
	1	0.51	37.893	SRV	
	2	0.578	32.112	SRV	
	3	2.071	29.994	SRV	

	reference	2H	0.0614	SRV+Double+Triple	
	reference	2H	0.0601	SRV+Double+Triple	
	reference	3H	0.0772	SRV+Double+Triple	
	reference	3H	0.0762	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.1016	SRV+Double+Triple	
	reference	2H	0.0645	SRV+Double+Triple	
	reference	3H	0.0639	SRV+Double+Triple	
	reference	3H	0.0803	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0658	SRV+Double+Triple	
	reference	2H	0.0647	SRV+Double+Triple	
	reference	3H	0.0813	SRV+Double+Triple	
	reference	3H	0.0806	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0988	SRV+Double+Triple	
	reference	2H	0.0561	SRV+Double+Triple	
	reference	3H	0.1085	SRV+Double+Triple	
	reference	3H	0.0724	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0614	SRV+Double+Triple	
	reference	2H	0.0598	SRV+Double+Triple	
	reference	3H	0.0772	SRV+Double+Triple	
	reference	3H	0.0762	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0987	SRV+Double+Triple	
	reference	2H	0.0552	SRV+Double+Triple	
	reference	3H	0.1079	SRV+Double+Triple	
	reference	3H	0.0716	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0619	SRV+Double+Triple	
	reference	2H	0.0613	SRV+Double+Triple	
	reference	3H	0.0777	SRV+Double+Triple	
	reference	3H	0.0772	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0984	SRV+Double+Triple	
	reference	2H	0.0553	SRV+Double+Triple	
	reference	3H	0.1072	SRV+Double+Triple	
	reference	3H	0.0716	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	
	reference	2H	0.0624	SRV+Double+Triple	

Multihit (2H/3H) rates (all) (cols 1-6/6)