RELAX Combined Report
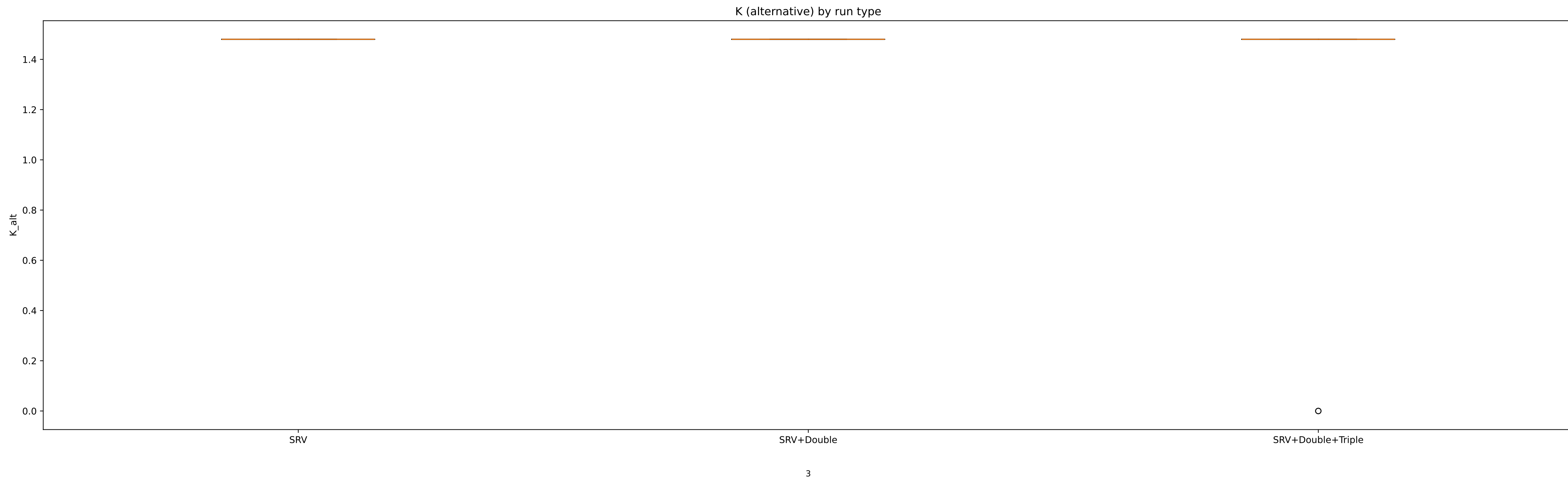
SRV vs SRV+Double vs SRV+Double+Triple
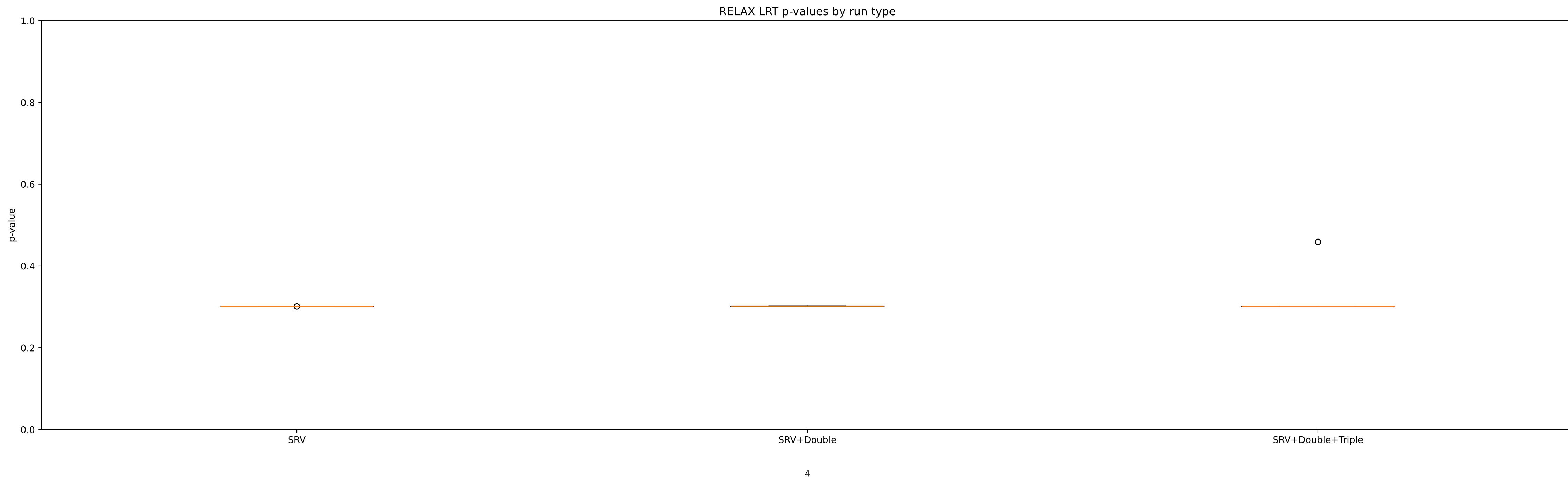
Includes:

- Run-type summary

- Boxplots: K, p-values, 2H/3H

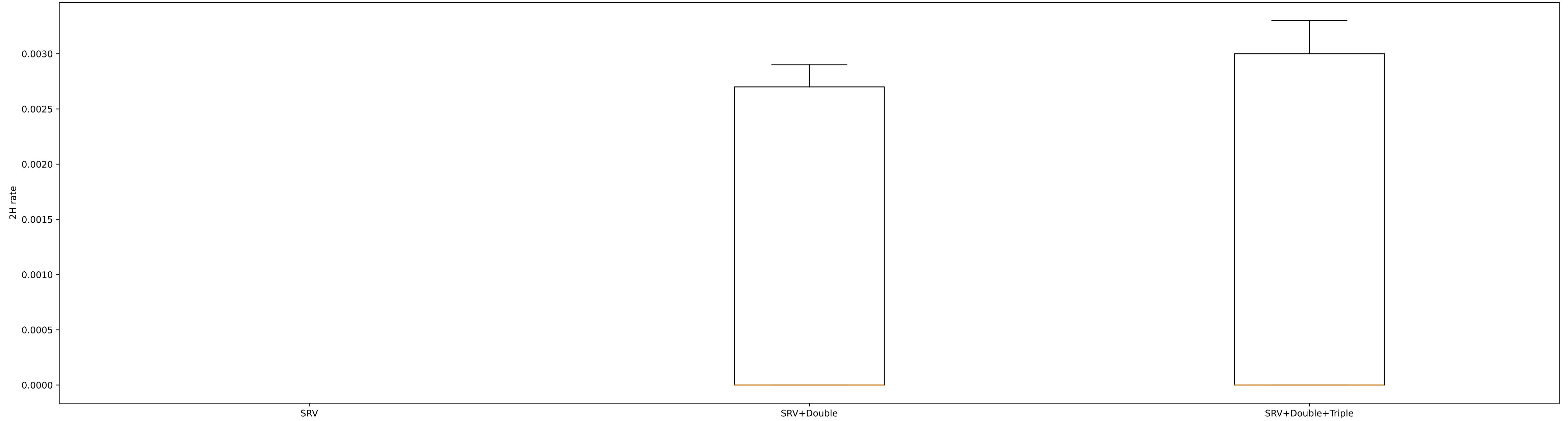- Full omega/SRV/multihit tables (column-paged)

Run-type summary statistics

p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_median	omega_test_median	warnings_count	2H_reference_median	2H_test_median
0.3013	0.3011	0.3014	1.48	1.48	1.48	0.2444	0.1245	10	nan	nan
0.3018	0.3013	0.3022	1.48	1.48	1.48	0.2444	0.1245	10	0.0	0.0
0.3012	0.3012	0.4589	1.48	0.0	1.48	0.2444	0.1245	10	0.0	0.0

K (alternative) by run type

3

RELAX LRT p-values by run type

2H rates (reference) by run type

2H rates (test) by run type

SRV   SRV+Double   SRV+Double+Triple

2H rate

3H rates (reference) by run type

3H rate

SRV   SRV+Double   SRV+Double+Triple

3H rates (test) by run type

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.3014	1.48	0.2444	0.1245	
	2	0.3013	1.48	0.2444	0.1245	
	3	0.3013	1.48	0.2444	0.1245	
	4	0.3013	1.48	0.2444	0.1245	
	5	0.3014	1.48	0.2444	0.1245	
	6	0.3013	1.48	0.2444	0.1245	
	7	0.3012	1.48	0.2444	0.1245	
	8	0.3014	1.48	0.2444	0.1245	
	9	0.3014	1.48	0.2444	0.1245	
	10	0.3011	1.48	0.2444	0.1245	

	replicate	global_dNdS_te	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1		0.3018	1.48	0.2444	0.1245	
	2		0.3014	1.48	0.2444	0.1245	
	3		0.3013	1.48	0.2444	0.1245	
	4		0.3021	1.48	0.2444	0.1245	
	5		0.3017	1.48	0.2444	0.1245	
	6		0.3014	1.48	0.2444	0.1245	
	7		0.3018	1.48	0.2444	0.1245	
	8		0.3013	1.48	0.2444	0.1245	
	9	0.1245	0.302	1.48	0.2444	0.1245	
	10		0.3022	1.48	0.2444	0.1245	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.3012	1.48	0.2444	0.1245	
	2	0.3012	1.48	0.2444	0.1245	
	3	0.4589	0.0	0.2444	0.1245	
	4	0.3014	1.48	0.2444	0.1245	
	5	0.3013	1.48	0.2444	0.1245	
	6	0.3012	1.48	0.2444	0.1245	
	7	0.3013	1.48	0.2444	0.1245	
	8	0.3012	1.48	0.2444	0.1245	
	9	0.3012	1.48	0.2444	0.1245	
	10	0.3013	1.48	0.2444	0.1245	

Ω-class distributions (all) (cols 1-7/7)

test	Negative selection	0.094	35.61	SRV+Double
test	Negative selection	0.138	64.39	SRV+Double
test	Negative selection	0.202	35.61	SRV+Double
test	Negative selection	0.263	64.39	SRV+Double
reference	Diversifying selection	0.0	0.0	SRV+Double
reference	Negative selection	0.212	52.023	SRV+Double
reference	Negative selection	0.253	47.977	SRV+Double
test	Diversifying selection	1.154	0.0	SRV+Double
test	Negative selection	0.212	52.023	SRV+Double
test	Negative selection	0.253	47.977	SRV+Double
reference	Diversifying selection	1.007	0.0	SRV+Double
reference	Negative selection	0.206	23.815	SRV+Double
reference	Negative selection	0.252	76.185	SRV+Double
test	Diversifying selection	1.01	0.0	SRV+Double
test	Diversifying selection	1.007	0.0	SRV+Double
test	Negative selection	0.097	23.815	SRV+Double
test	Negative selection	0.13	76.185	SRV+Double
test	Negative selection	0.206	23.815	SRV+Double
test	Negative selection	0.252	76.185	SRV+Double
reference	Diversifying selection	1.163	0.0	SRV+Double
reference	Negative selection	0.215	39.639	SRV+Double
reference	Negative selection	0.243	60.361	SRV+Double
test	Diversifying selection	1.163	0.0	SRV+Double
test	Negative selection	0.215	39.639	SRV+Double
test	Negative selection	0.243	60.361	SRV+Double
reference	Diversifying selection	1.012	0.0	SRV+Double
reference	Negative selection	0.005	0.0	SRV+Double
reference	Negative selection	0.242	100.0	SRV+Double
test	Diversifying selection	1.018	0.0	SRV+Double
test	Diversifying selection	1.012	0.0	SRV+Double
test	Negative selection	0.0	0.0	SRV+Double
test	Negative selection	0.122	100.0	SRV+Double
test	Negative selection	0.005	0.0	SRV+Double
test	Negative selection	0.242	100.0	SRV+Double
reference	Diversifying selection	1.162	0.0	SRV+Double
reference	Negative selection	0.094	0.0	SRV+Double
reference	Negative selection	0.232	100.0	SRV+Double
test	Diversifying selection	1.162	0.0	SRV+Double
test	Negative selection	0.094	0.0	SRV+Double
test	Negative selection	0.232	100.0	SRV+Double
reference	Diversifying selection	1.085	0.0	SRV+Double
reference	Negative selection	0.228	68.78	SRV+Double
reference	Negative selection	0.271	31.22	SRV+Double
test	Diversifying selection	1.128	0.0	SRV+Double
test	Diversifying selection	1.085	0.0	SRV+Double
test	Negative selection	0.112	68.78	SRV+Double
test	Negative selection	0.145	31.22	SRV+Double
test	Negative selection	0.228	68.78	SRV+Double
test	Negative selection	0.271	31.22	SRV+Double
reference	Diversifying selection	1.261	0.0	SRV+Double

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

	class_id	syn_rate	proportion_per cent	run_type	
	1	0.0	16.239	SRV	
	2	0.0	34.16	SRV	
	3	2.016	49.601	SRV	
	1	0.0	50.396	SRV	
	2	1.881	0.0	SRV	
	3	2.016	49.604	SRV	
	1	0.0	15.621	SRV	
	2	0.0	34.778	SRV	
	3	2.016	49.601	SRV	
	1	0.0	13.803	SRV	
	2	0.0	36.593	SRV	
	3	2.016	49.604	SRV	
	1	0.0	15.002	SRV	
	2	0.0	35.397	SRV	
	3	2.016	49.601	SRV	
	1	0.0	15.988	SRV	
	2	0.0	34.413	SRV	
	3	2.016	49.599	SRV	
	1	0.0	13.819	SRV	
	2	0.0	36.575	SRV	
	3	2.016	49.606	SRV	
	1	0.0	15.549	SRV	
	2	0.0	34.851	SRV	
	3	2.016	49.6	SRV	
	1	0.0	13.633	SRV	
	2	0.0	36.762	SRV	
	3	2.016	49.605	SRV	
	1	0.0	15.945	SRV	
	2	0.0	34.45	SRV	
	3	2.016	49.605	SRV	

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

Group	Hit	Rate	Model
reference	2H	0.0027	SRV+Double
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	0.0031	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	0.0029	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	0.0033	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