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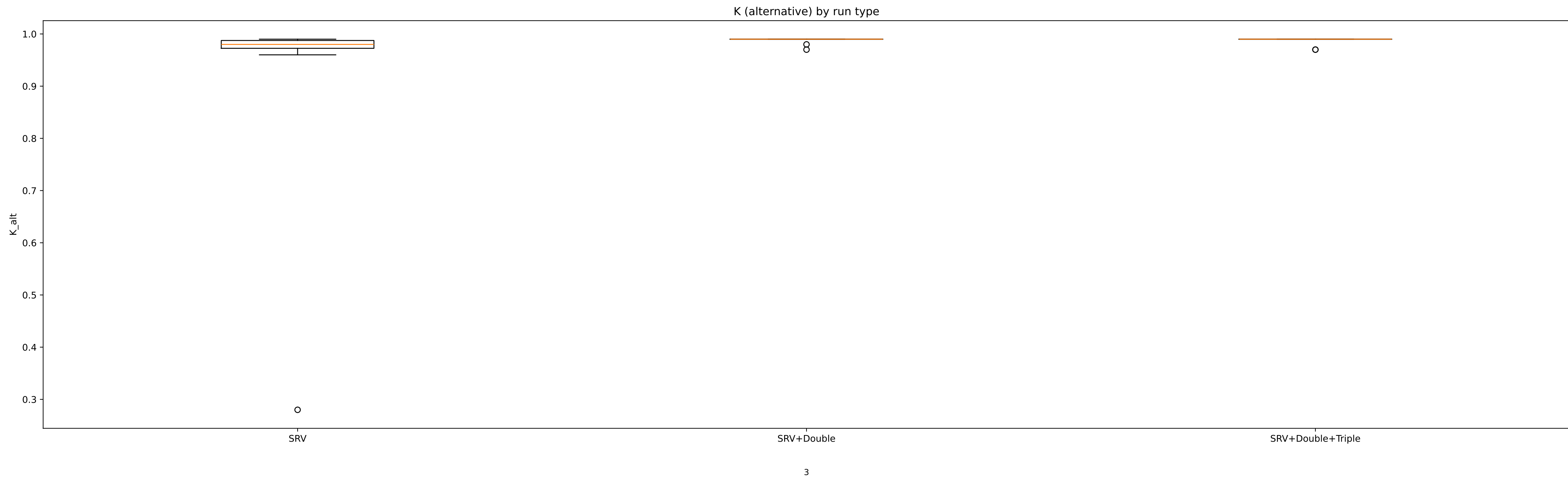
SRV vs SRV+Double vs SRV+Double+Triple
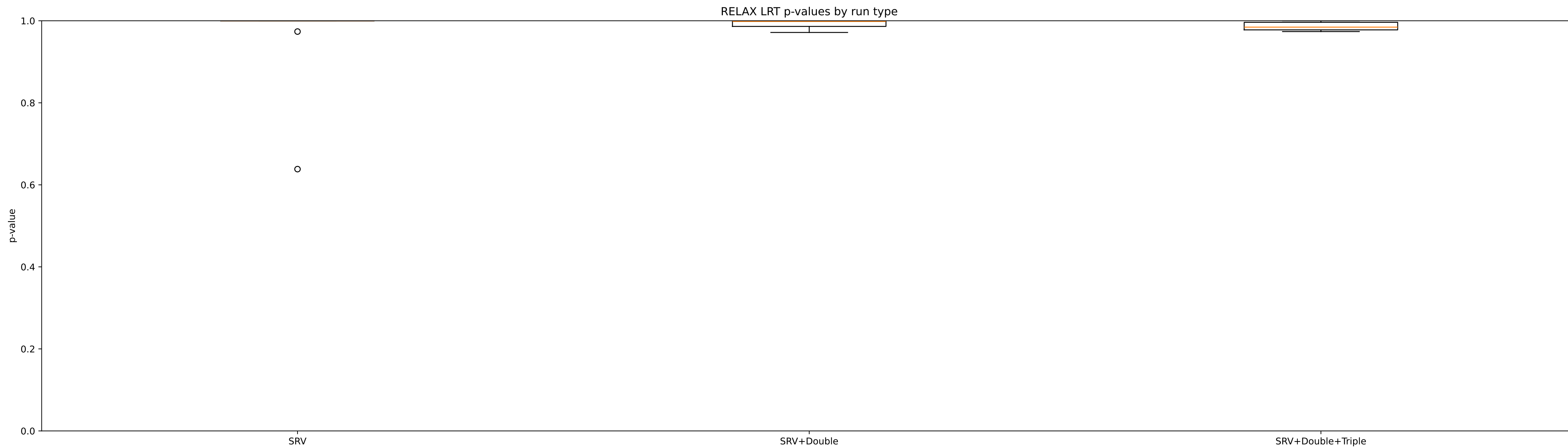
Includes:

- Run-type summary

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

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

Run-type summary statistics

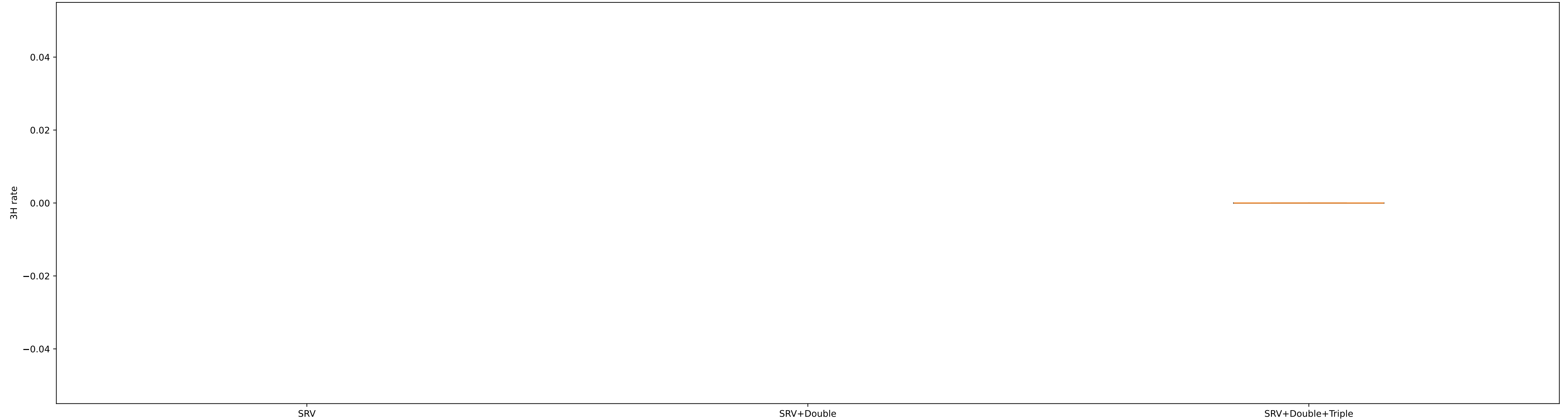| p_median	p_min	p_max	K_median	K_min	K_max	omega_ref_median	omega_test_median	warnings_count	2H_reference_median	2H_test_median
1.0	0.6383	1.0	0.98	0.28	0.99	0.3635	0.3602	10	nan	nan
0.9984	0.9715	1.0	0.99	0.97	0.99	0.3635	0.3602	10	0.0	0.0
0.9845	0.9737	1.0	0.99	0.97	0.99	0.3635	0.3602	10	0.0	0.0

K (alternative) by run type

RELAX LRT p-values by run type

2H rates (reference) by run type

2H rates (test) by run type

3H rates (reference) by run type

3H rates (test) by run type

Replicate-level summary — SRV (page 1/1)

replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1	1.0	0.98	0.3635	0.3602	
2	1.0	0.98	0.3635	0.3602	
3	0.6383	0.28	0.3635	0.3602	
4	1.0	0.99	0.3635	0.3602	
5	1.0	0.97	0.3635	0.3602	
6	1.0	0.99	0.3635	0.3602	
7	1.0	0.98	0.3635	0.3602	
8	0.9737	0.96	0.3635	0.3602	
9	1.0	0.99	0.3635	0.3602	
10	1.0	0.98	0.3635	0.3602	

replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1	1.0	0.99	0.3635	0.3602	
2	0.981	0.99	0.3635	0.3602	
3	1.0	0.97	0.3635	0.3602	
4	1.0	0.99	0.3635	0.3602	
5	1.0	0.99	0.3635	0.3602	
6	1.0	0.99	0.3635	0.3602	
7	0.9862	0.99	0.3635	0.3602	
8	0.9967	0.99	0.3635	0.3602	
9	0.9715	0.99	0.3635	0.3602	
10	0.9865	0.98	0.3635	0.3602	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.9769	0.97	0.3635	0.3602	
	2	1.0	0.99	0.3635	0.3602	
	3	1.0	0.99	0.3635	0.3602	
	4	0.9806	0.99	0.3635	0.3602	
	5	0.9737	0.99	0.3635	0.3602	
	6	0.9843	0.99	0.3635	0.3602	
	7	0.9847	0.99	0.3635	0.3602	
	8	0.9848	0.99	0.3635	0.3602	
	9	1.0	0.99	0.3635	0.3602	
	10	0.9749	0.97	0.3635	0.3602	

test	Negative selection	0.205	87.732	SRV+Double
test	Negative selection	0.201	87.732	SRV+Double
test	Neutral evolution	1.0	8.266	SRV+Double
test	Neutral evolution	1.0	8.266	SRV+Double
reference	Diversifying selection		4.235	SRV+Double
reference	Negative selection	0.193	86.661	SRV+Double
reference	Neutral evolution	1.0	9.105	SRV+Double
test	Diversifying selection	2.688	4.235	SRV+Double
test	Negative selection	0.193	86.661	SRV+Double
test	Neutral evolution	1.0	9.105	SRV+Double
reference	Diversifying selection	1.895	10.708	SRV+Double
reference	Negative selection	0.0	6.019	SRV+Double
reference	Negative selection	0.204	83.273	SRV+Double
test	Diversifying selection	1.886	10.708	SRV+Double
test	Diversifying selection	1.895	10.708	SRV+Double
test	Negative selection	0.0	6.019	SRV+Double
test	Negative selection	0.206	83.273	SRV+Double
test	Negative selection	0.0	6.019	SRV+Double
test	Negative selection	0.204	83.273	SRV+Double
reference	Diversifying selection	1.873	10.8	SRV+Double
reference	Negative selection	0.0	6.03	SRV+Double
reference	Negative selection	0.203	83.17	SRV+Double
test	Diversifying selection	1.873	10.8	SRV+Double
test	Negative selection	0.0	6.03	SRV+Double
test	Negative selection	0.203	83.17	SRV+Double
reference	Diversifying selection	1.931	10.358	SRV+Double
reference	Negative selection	0.005	5.897	SRV+Double
reference	Negative selection	0.206	83.745	SRV+Double
test	Diversifying selection	1.916	10.358	SRV+Double
test	Diversifying selection	1.931	10.358	SRV+Double
test	Negative selection	0.005	5.897	SRV+Double
test	Negative selection	0.21	83.745	SRV+Double
test	Negative selection	0.005	5.897	SRV+Double
test	Negative selection	0.206	83.745	SRV+Double
reference	Diversifying selection	1.915	10.395	SRV+Double
reference	Negative selection	0.0	5.903	SRV+Double
reference	Negative selection	0.206	83.703	SRV+Double
test	Diversifying selection	1.915	10.395	SRV+Double
test	Negative selection	0.0	5.903	SRV+Double
test	Negative selection	0.206	83.703	SRV+Double
reference	Diversifying selection	1.852	11.105	SRV+Double
reference	Negative selection	0.0	5.758	SRV+Double
reference	Negative selection	0.2	83.137	SRV+Double
test	Diversifying selection	1.842	11.105	SRV+Double
test	Diversifying selection	1.852	11.105	SRV+Double
test	Negative selection	0.0	5.758	SRV+Double
test	Negative selection	0.203	83.137	SRV+Double
test	Negative selection	0.0	5.758	SRV+Double
test	Negative selection	0.2	83.137	SRV+Double
reference	Diversifying selection	1.852	11.114	SRV+Double

	class_id	syn_rate	proportion_percent	run_type	
	1	0.216	20.382	SRV	
	2	0.227	17.737	SRV	
	3	1.48	61.881	SRV	
	1	0.208	11.864	SRV	
	2	0.213	25.518	SRV	
	3	1.471	62.618	SRV	
	1	0.0	23.172	SRV	
	2	0.813	14.366	SRV	
	3	1.414	62.462	SRV	
	1	0.205	35.047	SRV	
	2	0.208	1.867	SRV	
	3	1.465	63.086	SRV	
	1	0.203	0.581	SRV	
	2	0.212	36.802	SRV	
	3	1.47	62.616	SRV	
	1	0.215	11.1	SRV	
	2	0.223	26.9	SRV	
	3	1.478	61.999	SRV	
	1	0.219	18.937	SRV	
	2	0.221	19.121	SRV	
	3	1.479	61.941	SRV	
	1	0.224	38.238	SRV	
	2	0.232	0.001	SRV	
	3	1.481	61.762	SRV	
	1	0.204	30.972	SRV	
	2	0.207	5.915	SRV	
	3	1.465	63.113	SRV	
	1	0.139	0.0	SRV	
	2	0.206	36.964	SRV	
	3	1.466	63.036	SRV	

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

test	2H	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	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	0.0	SRV+Double+Triple		