RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple
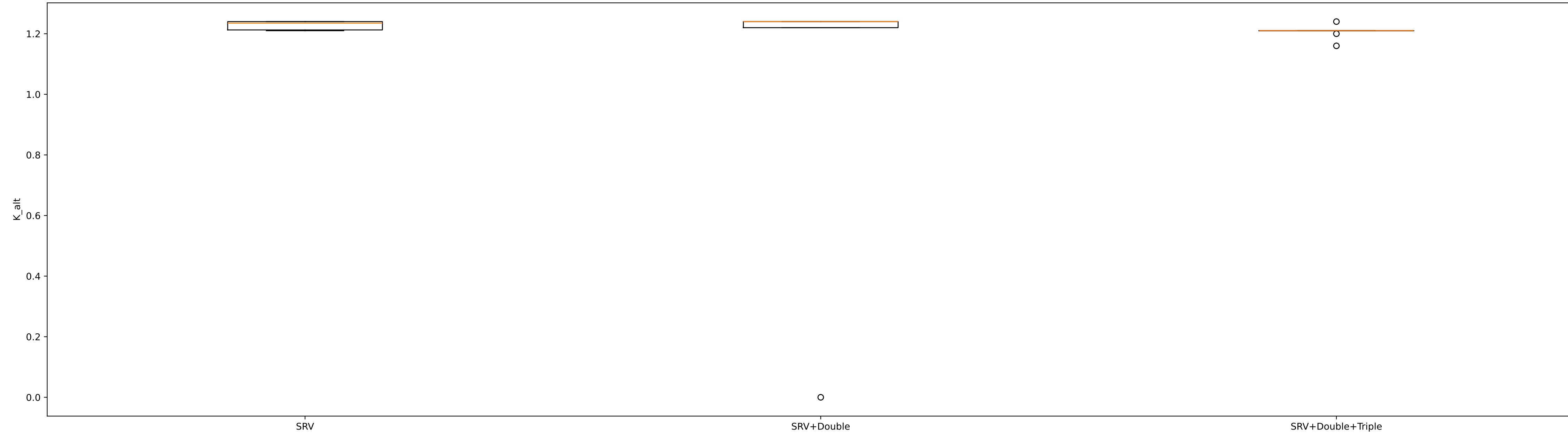
Includes:

- Run-type summary

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

- Full omega/SRV/multihit tables (column-paged)
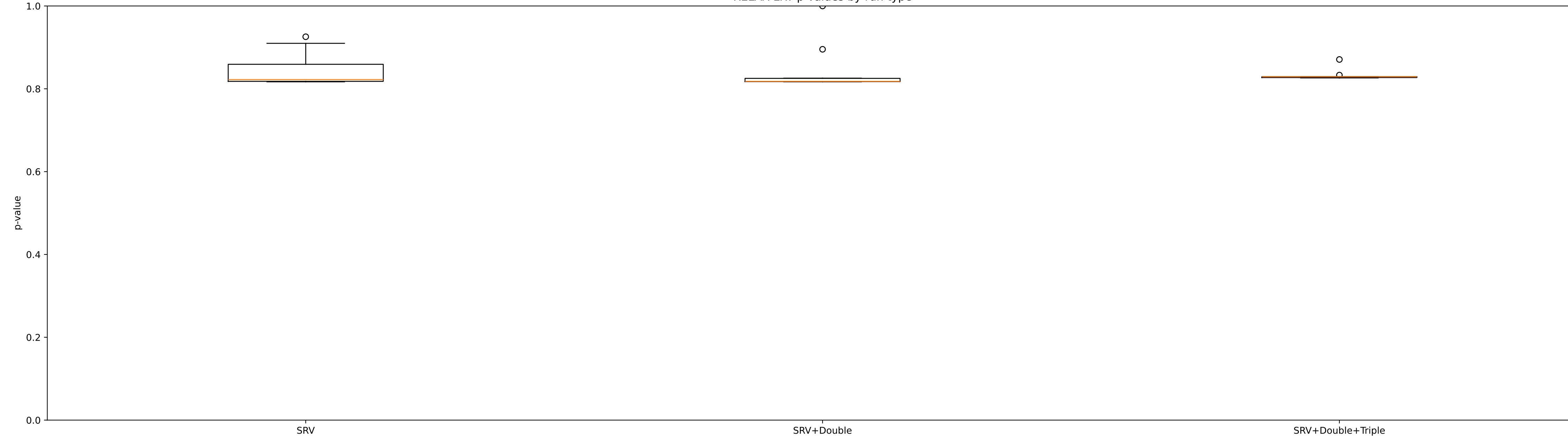
Run-type summary statistics

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
0.8222	0.8169	0.9257	1.235	1.21	1.24	0.2348	0.2062	10	nan	nan
0.818	0.817	1.0	1.24	0.0	1.24	0.2347	0.2062	10	0.0	0.0
0.829	0.8263	0.8708	1.21	1.16	1.24	0.2348	0.2062	10	0.0	0.0

K (alternative) by run type

RELAX LRT p-values by run type
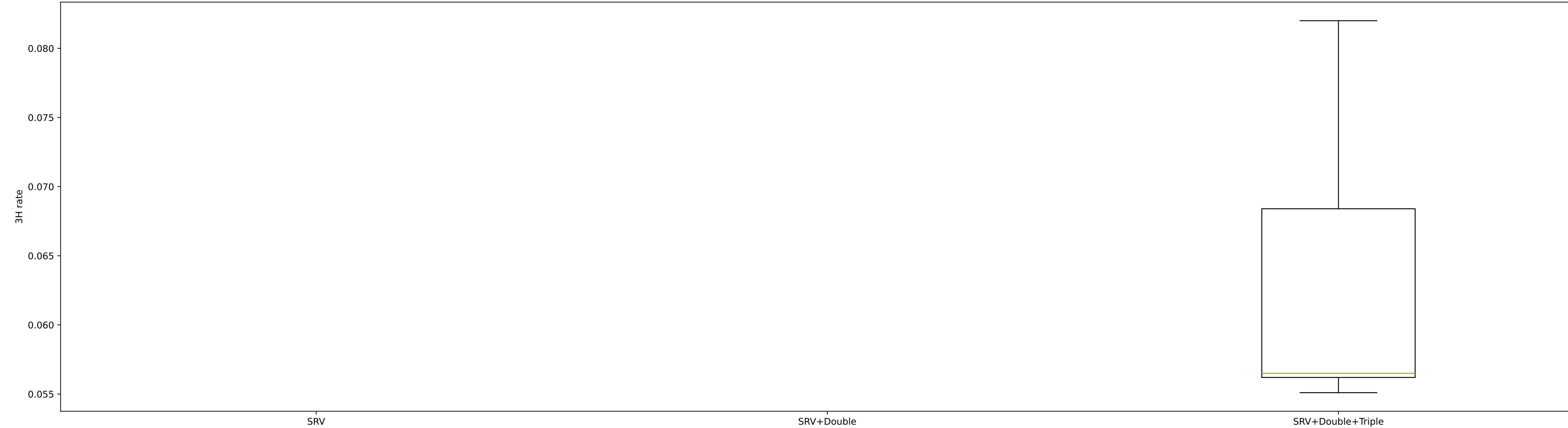
2H rates (reference) by run type

2H rates (test) by run type

3H rates (reference) by run type

3H rates (test) by run type

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.826	1.22	0.2348	0.2062	
	2	0.8179	1.24	0.2347	0.2062	
	3	0.8173	1.24	0.2348	0.2062	
	4	0.8184	1.24	0.2347	0.2062	
	5	0.9257	1.21	0.2348	0.2062	
	6	0.9098	1.21	0.2348	0.2062	
	7	0.8169	1.24	0.2348	0.2062	
	8	0.8471	1.21	0.2348	0.2062	
	9	0.8182	1.24	0.2348	0.2062	
	10	0.8632	1.23	0.2348	0.2062	

replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1	0.817	1.24	0.2348	0.2062	
2	0.8172	1.24	0.2347	0.2062	
3	0.818	1.24	0.2347	0.2062	
4	1.0	0.0	0.2347	0.2062	
5	0.817	1.24	0.2347	0.2062	
6	0.8178	1.24	0.2348	0.2062	
7	0.8954	1.22	0.2348	0.2062	
8	0.818	1.24	0.2347	0.2062	
9	0.8237	1.22	0.2348	0.2062	
10	0.8257	1.22	0.2347	0.2062	

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.829	1.21	0.2348	0.2062	
	2	0.8708	1.2	0.2348	0.2062	
	3	0.8331	1.16	0.2348	0.2062	
	4	0.8263	1.21	0.2348	0.2062	
	5	0.829	1.21	0.2348	0.2062	
	6	0.8265	1.21	0.2348	0.2062	
	7	0.8294	1.21	0.2348	0.2062	
	8	0.8289	1.21	0.2348	0.2062	
	9	0.8263	1.21	0.2348	0.2062	
	10	0.829	1.24	0.2347	0.2062	

test	Negative selection	0.0	51.641	SRV+Double
test	Negative selection	0.0	23.016	SRV+Double
test	Neutral evolution	1.0	25.343	SRV+Double
test	Neutral evolution	1.0	25.343	SRV+Double
reference	Negative selection	0.0	6.126	SRV+Double
reference	Negative selection	0.184	86.478	SRV+Double
reference	Neutral evolution	1.0	7.397	SRV+Double
test	Negative selection	0.0	6.126	SRV+Double
test	Negative selection	0.184	86.478	SRV+Double
test	Neutral evolution	1.0	7.397	SRV+Double
reference	Diversifying selection	1.002	0.0	SRV+Double
reference	Negative selection	0.0	43.943	SRV+Double
reference	Negative selection	0.415	56.057	SRV+Double
test	Diversifying selection	1.002	0.0	SRV+Double
test	Diversifying selection	1.002	0.0	SRV+Double
test	Negative selection	0.0	43.943	SRV+Double
test	Negative selection	0.337	56.057	SRV+Double
test	Negative selection	0.0	43.943	SRV+Double
test	Negative selection	0.415	56.057	SRV+Double
reference	Diversifying selection	1.164	0.0	SRV+Double
reference	Negative selection	0.0	43.968	SRV+Double
reference	Negative selection	0.415	56.032	SRV+Double
test	Diversifying selection	1.164	0.0	SRV+Double
test	Negative selection	0.0	43.968	SRV+Double
test	Negative selection	0.415	56.032	SRV+Double
reference	Diversifying selection	1.002	0.0	SRV+Double
reference	Negative selection	0.0	44.044	SRV+Double
reference	Negative selection	0.416	55.956	SRV+Double
test	Diversifying selection	1.003	0.0	SRV+Double
test	Diversifying selection	1.002	0.0	SRV+Double
test	Negative selection	0.0	44.044	SRV+Double
test	Negative selection	0.338	55.956	SRV+Double
test	Negative selection	0.0	44.044	SRV+Double
test	Negative selection	0.416	55.956	SRV+Double
reference	Diversifying selection	1.165	0.0	SRV+Double
reference	Negative selection	0.0	44.145	SRV+Double
reference	Negative selection	0.416	55.855	SRV+Double
test	Diversifying selection	1.165	0.0	SRV+Double
test	Negative selection	0.0	44.145	SRV+Double
test	Negative selection	0.416	55.855	SRV+Double
reference	Diversifying selection	1.002	0.0	SRV+Double
reference	Negative selection	0.069	63.947	SRV+Double
reference	Negative selection	0.525	36.053	SRV+Double
test	Diversifying selection	1.003	0.0	SRV+Double
test	Diversifying selection	1.002	0.0	SRV+Double
test	Negative selection	0.039	63.947	SRV+Double
test	Negative selection	0.457	36.053	SRV+Double
test	Negative selection	0.069	63.947	SRV+Double
test	Negative selection	0.525	36.053	SRV+Double
reference	Diversifying selection	1.116	0.0	SRV+Double

class_id	syn_rate	proportion_per cent	run_type
1	0.0	10.126	SRV
2	0.944	78.987	SRV
3	2.335	10.887	SRV
1	0.0	10.099	SRV
2	0.942	78.671	SRV
3	2.307	11.231	SRV
1	0.0	10.106	SRV
2	0.942	78.699	SRV
3	2.31	11.195	SRV
1	0.0	10.098	SRV
2	0.942	78.669	SRV
3	2.307	11.233	SRV
1	0.0	10.11	SRV
2	0.941	78.47	SRV
3	2.288	11.42	SRV
1	0.0	10.105	SRV
2	0.941	78.435	SRV
3	2.286	11.46	SRV
1	0.0	10.104	SRV
2	0.942	78.686	SRV
3	2.308	11.211	SRV
1	0.0	10.117	SRV
2	0.943	78.617	SRV
3	2.299	11.266	SRV
1	0.0	10.106	SRV
2	0.942	78.69	SRV
3	2.309	11.204	SRV
1	0.0	10.057	SRV
2	0.938	78.167	SRV
3	2.268	11.776	SRV

	reference	2H	0.0	SRV+Double+Triple	
	reference	3H	0.0567	SRV+Double+Triple	
	reference	3H	0.0564	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	0.0817	SRV+Double+Triple	
	reference	3H	0.0554	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	0.0555	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	0.0817	SRV+Double+Triple	
	reference	3H	0.0568	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	0.0569	SRV+Double+Triple	
	reference	3H	0.0567	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	0.0819	SRV+Double+Triple	
	reference	3H	0.0562	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	0.0564	SRV+Double+Triple	
	reference	3H	0.0562	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	0.0799	SRV+Double+Triple	
	reference	3H	0.0565	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	0.0565	SRV+Double+Triple	
	reference	3H	0.0563	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	0.082	SRV+Double+Triple	
	reference	3H	0.0562	SRV+Double+Triple	
	test	2H	0.0	SRV+Double+Triple	
	test	3H	0.0	SRV+Double+Triple	

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