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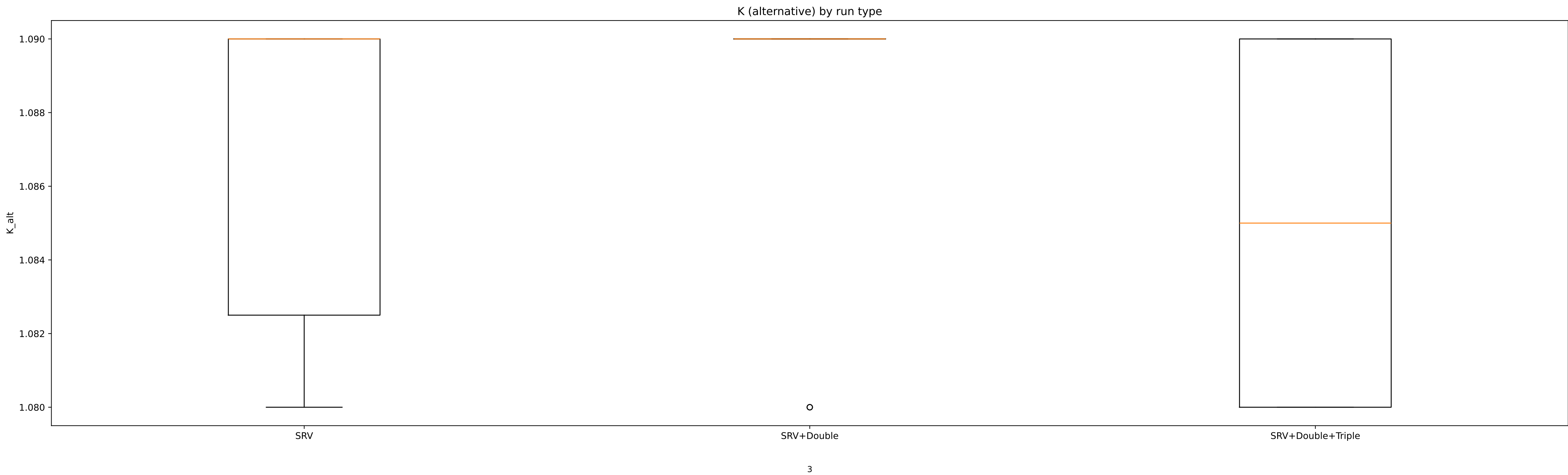
SRV vs SRV+Double vs SRV+Double+Triple
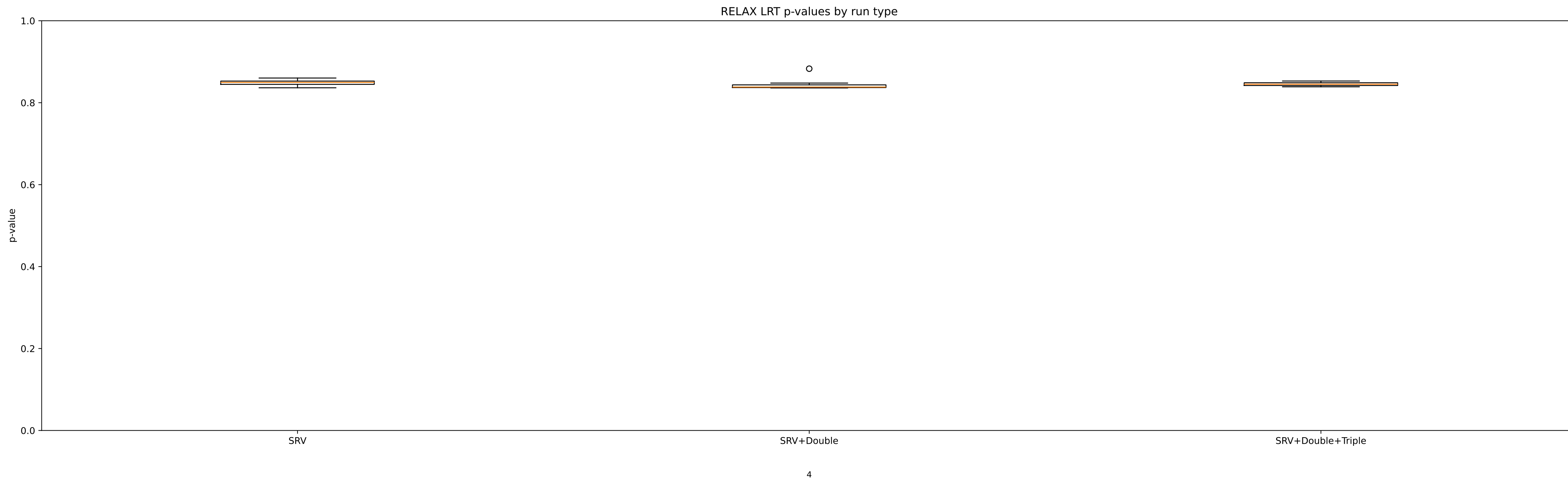
Includes:

- Run-type summary

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

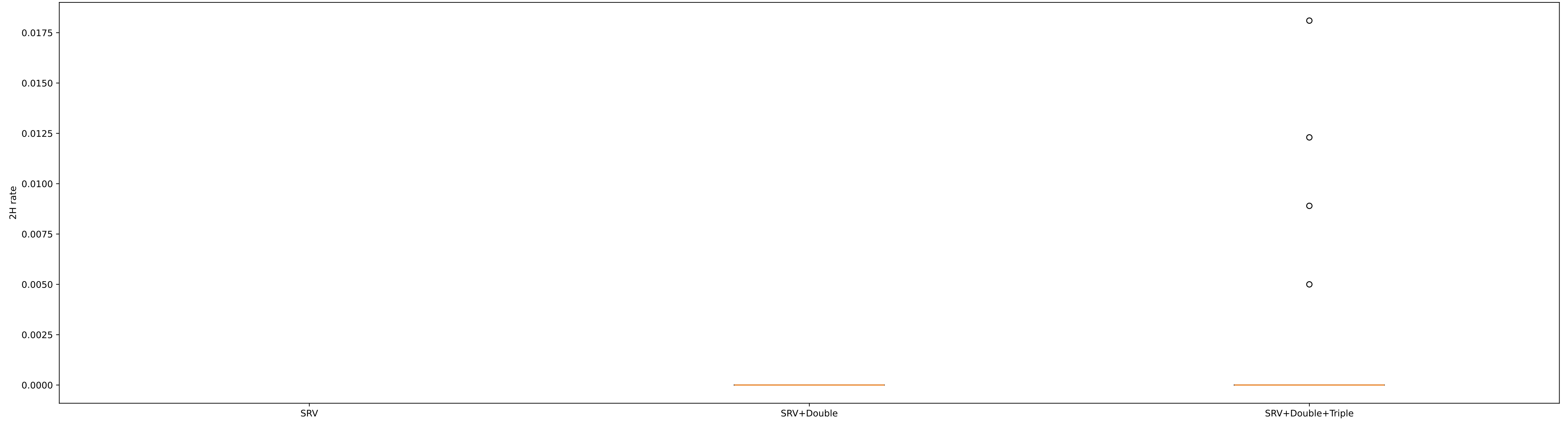- Full omega/SRV/multihit tables (column-paged)

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
0.8495	0.8364	0.8602	1.09	1.08	1.09	0.226	0.1889	10	nan	nan
0.8382	0.836	0.883	1.09	1.08	1.09	0.226	0.1889	10	0.0	0.0
0.845	0.8388	0.8529	1.085	1.08	1.09	0.226	0.1889	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	0.8443	1.09	0.226	0.1889	
	2	0.8602	1.09	0.226	0.1889	
	3	0.851	1.08	0.226	0.1889	
	4	0.8556	1.09	0.226	0.1889	
	5	0.8463	1.09	0.226	0.1889	
	6	0.8525	1.09	0.226	0.1889	
	7	0.8398	1.09	0.226	0.1889	
	8	0.848	1.08	0.2259	0.1893	
	9	0.8528	1.08	0.226	0.1889	
	10	0.8364	1.09	0.226	0.1889	

replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
1	0.8373	1.09	0.226	0.1889	
2	0.8377	1.09	0.2259	0.1893	
3	0.8396	1.09	0.226	0.1889	
4	0.8448	1.08	0.226	0.1889	
5	0.883	1.09	0.226	0.1889	
6	0.8368	1.09	0.226	0.1889	
7	0.836	1.09	0.226	0.1889	
8	0.8388	1.09	0.226	0.1889	
9	0.8479	1.08	0.226	0.1889	
10	0.8366	1.09	0.226	0.1889	

Replicate-level summary — SRV+Double+Triple (page 1/1)

	replicate	p_value	K_alt	global_dNdS_reference	global_dNdS_test	
	1	0.8512	1.09	0.226	0.1889	
	2	0.8529	1.08	0.226	0.1889	
	3	0.8442	1.08	0.226	0.1889	
	4	0.8452	1.08	0.226	0.1889	
	5	0.8473	1.08	0.226	0.1889	
	6	0.8388	1.09	0.226	0.1889	
	7	0.8449	1.09	0.226	0.1889	
	8	0.8491	1.08	0.226	0.1889	
	9	0.8394	1.09	0.226	0.1889	
	10	0.8412	1.09	0.226	0.1889	

test	Negative selection	0.167	67.663	SRV+Double
test	Negative selection	0.178	30.293	SRV+Double
test	Negative selection	0.192	67.663	SRV+Double
test	Negative selection	0.204	30.293	SRV+Double
reference	Diversifying selection		1.974	SRV+Double
reference	Negative selection	0.191	63.8	SRV+Double
reference	Negative selection	0.203	34.225	SRV+Double
test	Diversifying selection	1.131	1.974	SRV+Double
test	Negative selection	0.191	63.8	SRV+Double
test	Negative selection	0.203	34.225	SRV+Double
reference	Diversifying selection	1.009	0.0	SRV+Double
reference	Negative selection	0.155	78.198	SRV+Double
reference	Negative selection	0.428	21.802	SRV+Double
test	Diversifying selection	1.01	0.0	SRV+Double
test	Diversifying selection	1.009	0.0	SRV+Double
test	Negative selection	0.132	78.198	SRV+Double
test	Negative selection	0.398	21.802	SRV+Double
test	Negative selection	0.155	78.198	SRV+Double
test	Negative selection	0.428	21.802	SRV+Double
reference	Diversifying selection	1.902	0.0	SRV+Double
reference	Negative selection	0.155	78.241	SRV+Double
reference	Negative selection	0.421	21.759	SRV+Double
test	Diversifying selection	1.902	0.0	SRV+Double
test	Negative selection	0.155	78.241	SRV+Double
test	Negative selection	0.421	21.759	SRV+Double
reference	Diversifying selection	1.008	0.0	SRV+Double
reference	Negative selection	0.115	54.731	SRV+Double
reference	Negative selection	0.334	45.269	SRV+Double
test	Diversifying selection	1.009	0.0	SRV+Double
test	Diversifying selection	1.008	0.0	SRV+Double
test	Negative selection	0.095	54.731	SRV+Double
test	Negative selection	0.302	45.269	SRV+Double
test	Negative selection	0.115	54.731	SRV+Double
test	Negative selection	0.334	45.269	SRV+Double
reference	Diversifying selection	2.047	0.009	SRV+Double
reference	Negative selection	0.115	54.754	SRV+Double
reference	Negative selection	0.332	45.237	SRV+Double
test	Diversifying selection	2.047	0.009	SRV+Double
test	Negative selection	0.115	54.754	SRV+Double
test	Negative selection	0.332	45.237	SRV+Double
reference	Diversifying selection	1.272	0.0	SRV+Double
reference	Negative selection	0.126	62.429	SRV+Double
reference	Negative selection	0.362	37.571	SRV+Double
test	Diversifying selection	1.301	0.0	SRV+Double
test	Diversifying selection	1.272	0.0	SRV+Double
test	Negative selection	0.104	62.429	SRV+Double
test	Negative selection	0.33	37.571	SRV+Double
test	Negative selection	0.126	62.429	SRV+Double
test	Negative selection	0.362	37.571	SRV+Double
reference	Diversifying selection	3.004	0.0	SRV+Double

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

class_id	syn_rate	proportion_percent	run_type
1	0.0	19.779	SRV
2	0.996	74.995	SRV
3	4.84	5.226	SRV
1	0.0	19.769	SRV
2	0.995	74.997	SRV
3	4.846	5.234	SRV
1	0.0	19.464	SRV
2	0.989	75.232	SRV
3	4.824	5.303	SRV
1	0.0	19.608	SRV
2	0.992	75.091	SRV
3	4.814	5.301	SRV
1	0.0	19.45	SRV
2	0.985	75.034	SRV
3	4.725	5.516	SRV
1	0.0	19.734	SRV
2	0.994	75.009	SRV
3	4.84	5.257	SRV
1	0.0	19.645	SRV
2	0.991	74.969	SRV
3	4.773	5.386	SRV
1	0.0	19.753	SRV
2	0.996	75.013	SRV
3	4.838	5.235	SRV
1	0.0	19.798	SRV
2	0.996	74.95	SRV
3	4.826	5.252	SRV
1	0.0	19.286	SRV
2	0.98	75.087	SRV
3	4.689	5.627	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		0.0089	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		0.0181	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	