

## 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)

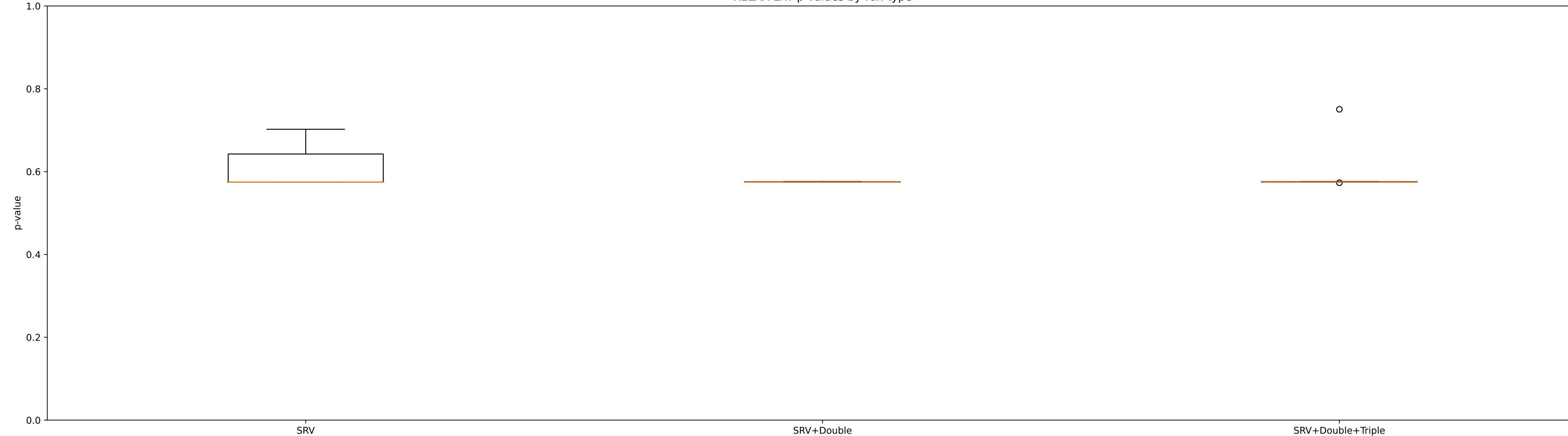
## Run-type summary statistics

<b>p_median</b>	<b>p_min</b>	<b>p_max</b>	<b>K_median</b>	<b>K_min</b>	<b>K_max</b>	<b>omega_ref_medi an</b>	<b>omega_test_medi an</b>	<b>warnings_count</b>	<b>2H_reference_m edian</b>	<b>2H_test_median</b>
0.575	0.5747	0.7023	0.8	0.78	0.8	0.224	0.2661	10	nan	nan
0.5752	0.5746	0.5761	0.8	0.8	0.8	0.224	0.2661	10	0.0	0.0
0.5751	0.5732	0.7505	0.8	0.73	0.8	0.224	0.2661	10	0.0	0.0

K (alternative) by run type



RELAX LRT p-values by run type



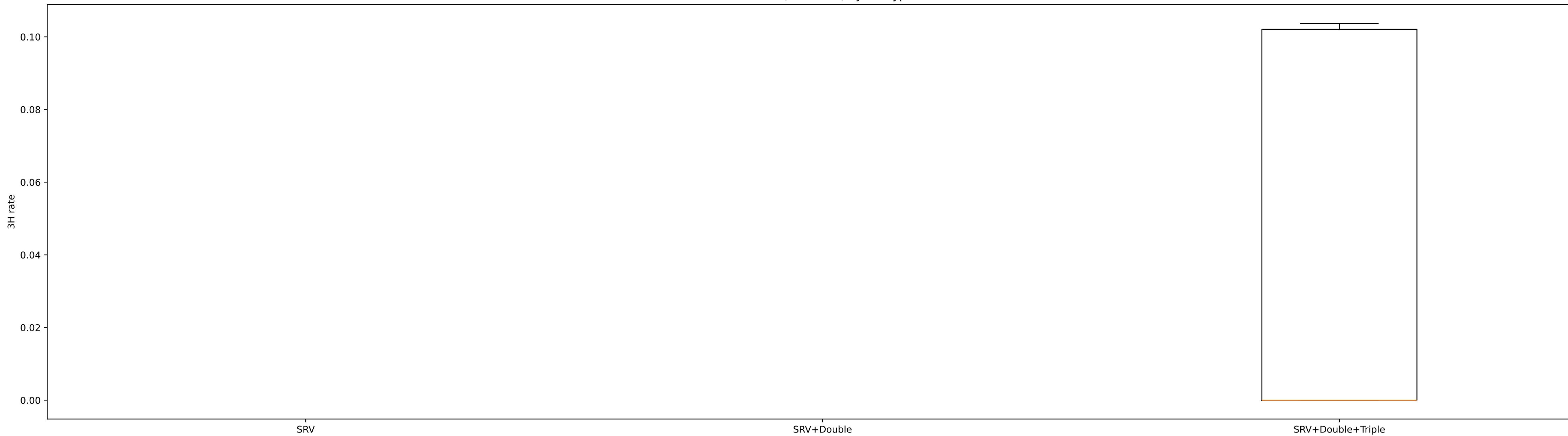
2H rates (reference) by run type



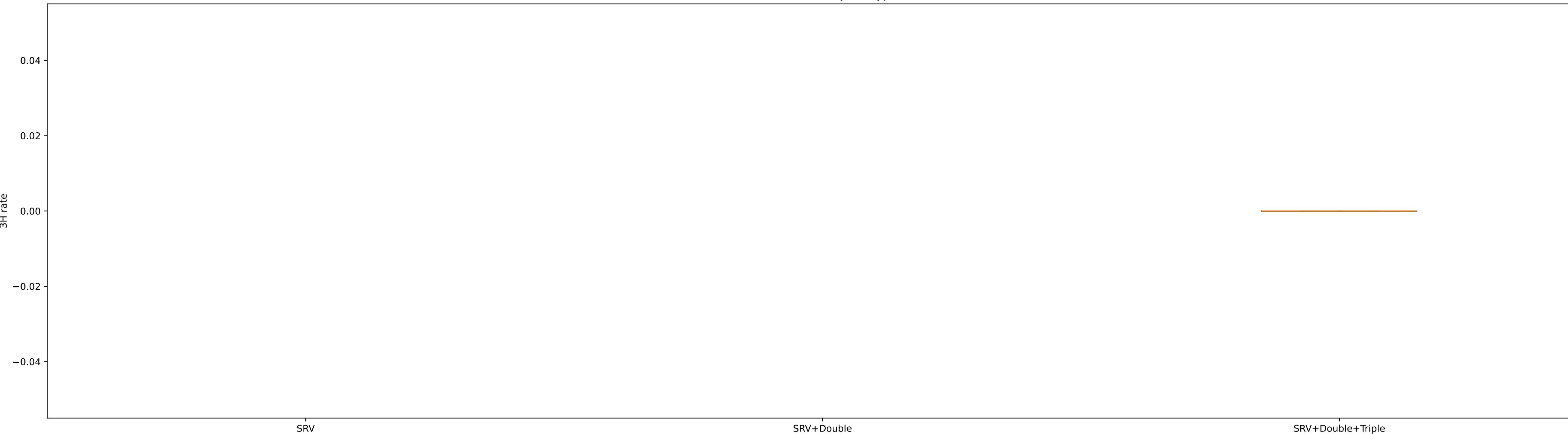
2H rates (test) by run type



3H rates (reference) by run type



3H rates (test) by run type



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

	<b>replicate</b>	<b>p_value</b>	<b>K_alt</b>	<b>global_dNdS_re ference</b>	<b>global_dNdS_te st</b>
	1	0.5747	0.79	0.224	0.2661
	2	0.5747	0.8	0.224	0.2661
	3	0.5751	0.8	0.224	0.2661
	4	0.575	0.8	0.224	0.2661
	5	0.7023	0.78	0.224	0.2661
	6	0.7022	0.79	0.224	0.2661
	7	0.5748	0.8	0.224	0.2661
	8	0.5748	0.8	0.224	0.2661
	9	0.665	0.79	0.224	0.2661
	10	0.5752	0.8	0.224	0.2661

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

<b>replicate</b>	<b>p_value</b>	<b>K_alt</b>	<b>global_dNdS_re ference</b>	<b>global_dNdS_te st</b>
1	0.5752	0.8	0.224	0.2661
2	0.5746	0.8	0.224	0.2661
3	0.5749	0.8	0.224	0.2661
4	0.5757	0.8	0.224	0.2661
5	0.5751	0.8	0.224	0.2661
6	0.5749	0.8	0.224	0.2661
7	0.5758	0.8	0.224	0.2661
8	0.5746	0.8	0.224	0.2661
9	0.5761	0.8	0.224	0.2661
10	0.5754	0.8	0.224	0.2661

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

	<b>replicate</b>	<b>p_value</b>	<b>K_alt</b>	<b>global_dNdS_reference</b>	<b>global_dNdS_test</b>
	1	0.5751	0.8	0.224	0.2661
	2	0.5759	0.8	0.224	0.2661
	3	0.5748	0.8	0.224	0.2661
	4	0.5732	0.79	0.224	0.2661
	5	0.5746	0.8	0.224	0.2661
	6	0.5751	0.8	0.224	0.2661
	7	0.5752	0.8	0.224	0.2661
	8	0.5747	0.8	0.224	0.2661
	9	0.576	0.8	0.224	0.2661
	10	0.7505	0.73	0.224	0.2661

	test	Negative selection	0.275	16.984	SRV+Double
	test	Negative selection	0.283	82.782	SRV+Double
	test	Negative selection	0.198	16.984	SRV+Double
	test	Negative selection	0.205	82.782	SRV+Double
	reference	Diversifying selection	0.239	SRV+Double	
	reference	Negative selection	0.202	17.386	SRV+Double
	reference	Negative selection	0.207	82.375	SRV+Double
	test	Diversifying selection	12.419	0.239	SRV+Double
	test	Negative selection	0.202	17.386	SRV+Double
	test	Negative selection	0.207	82.375	SRV+Double
	reference	Diversifying selection	12.836	0.233	SRV+Double
	reference	Negative selection	0.199	0.611	SRV+Double
	reference	Negative selection	0.204	99.156	SRV+Double
	test	Diversifying selection	7.647	0.233	SRV+Double
	test	Diversifying selection	12.836	0.233	SRV+Double
	test	Negative selection	0.277	0.611	SRV+Double
	test	Negative selection	0.282	99.156	SRV+Double
	test	Negative selection	0.199	0.611	SRV+Double
	test	Negative selection	0.204	99.156	SRV+Double
	reference	Diversifying selection	12.436	0.239	SRV+Double
	reference	Negative selection	0.206	99.137	SRV+Double
	reference	Negative selection	0.215	0.624	SRV+Double
	test	Diversifying selection	12.436	0.239	SRV+Double
	test	Negative selection	0.206	99.137	SRV+Double
	test	Negative selection	0.215	0.624	SRV+Double
	reference	Diversifying selection	12.555	0.239	SRV+Double
	reference	Negative selection	0.203	98.315	SRV+Double
	reference	Negative selection	0.214	1.446	SRV+Double
	test	Diversifying selection	7.51	0.239	SRV+Double
	test	Diversifying selection	12.555	0.239	SRV+Double
	test	Negative selection	0.281	98.315	SRV+Double
	test	Negative selection	0.293	1.446	SRV+Double
	test	Negative selection	0.203	98.315	SRV+Double
	test	Negative selection	0.214	1.446	SRV+Double
	reference	Diversifying selection	12.374	0.241	SRV+Double
	reference	Negative selection	0.206	98.167	SRV+Double
	reference	Negative selection	0.208	1.592	SRV+Double
	test	Diversifying selection	12.374	0.241	SRV+Double
	test	Negative selection	0.206	98.167	SRV+Double
	test	Negative selection	0.208	1.592	SRV+Double
	reference	Diversifying selection	12.651	0.237	SRV+Double
	reference	Negative selection	0.204	98.549	SRV+Double
	reference	Negative selection	0.206	1.213	SRV+Double
	test	Diversifying selection	7.555	0.237	SRV+Double
	test	Diversifying selection	12.651	0.237	SRV+Double
	test	Negative selection	0.281	98.549	SRV+Double
	test	Negative selection	0.284	1.213	SRV+Double
	test	Negative selection	0.204	98.549	SRV+Double
	test	Negative selection	12.206	0.238	SRV+Double
	reference	Diversifying selection	12.478	0.238	SRV+Double

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

	<b>class_id</b>	<b>syn_rate</b>	<b>proportion_per cent</b>	<b>run_type</b>	
SRV	1	0.887	12.031	SRV	
	2	0.889	86.195	SRV	
	3	7.17	1.775	SRV	
	1	0.888	98.221	SRV	
	2	0.956	0.0	SRV	
	3	7.166	1.779	SRV	
	1	0.888	98.217	SRV	
	2	1.093	0.0	SRV	
	3	7.156	1.783	SRV	
SRV	1	0.888	98.221	SRV	
	2	1.088	0.0	SRV	
	3	7.163	1.779	SRV	
	1	0.886	15.114	SRV	
	2	0.889	83.114	SRV	
	3	7.191	1.772	SRV	
	1	0.888	89.352	SRV	
	2	0.89	8.877	SRV	
	3	7.199	1.772	SRV	
SRV	1	0.888	98.22	SRV	
	2	7.126	0.002	SRV	
	3	7.157	1.778	SRV	
	1	0.887	8.866	SRV	
	2	0.889	89.362	SRV	
	3	7.173	1.772	SRV	
	1	0.888	98.222	SRV	
	2	1.348	0.0	SRV	
	3	7.178	1.778	SRV	
SRV	1	0.887	14.544	SRV	
	2	0.889	83.685	SRV	
	3	7.173	1.772	SRV	

