

RELAX Combined Report

SRV vs SRV+Double vs SRV+Double+Triple

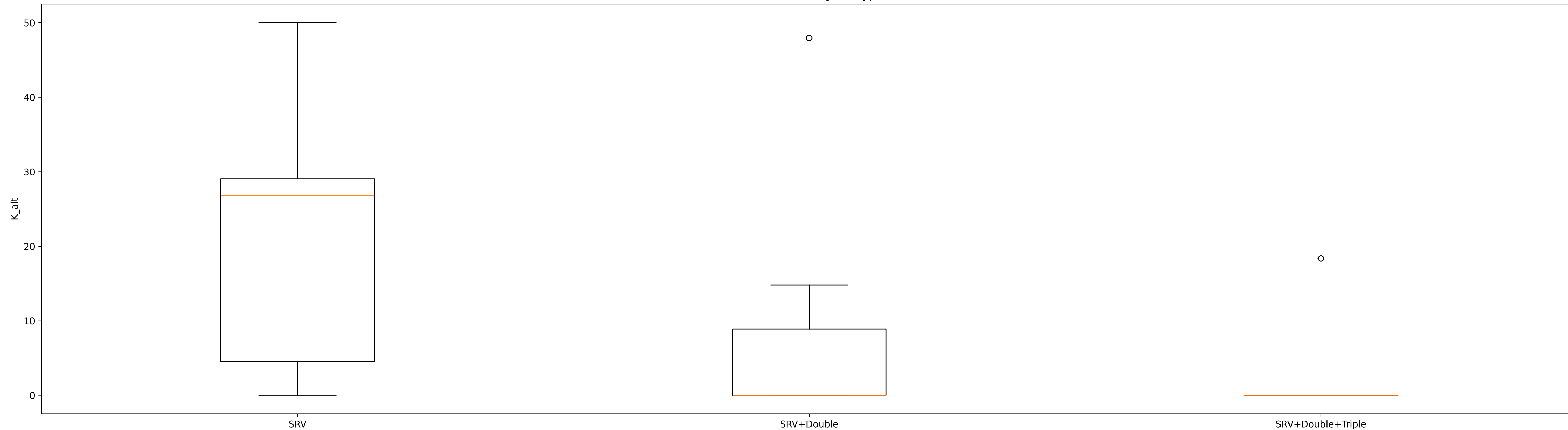
Includes:

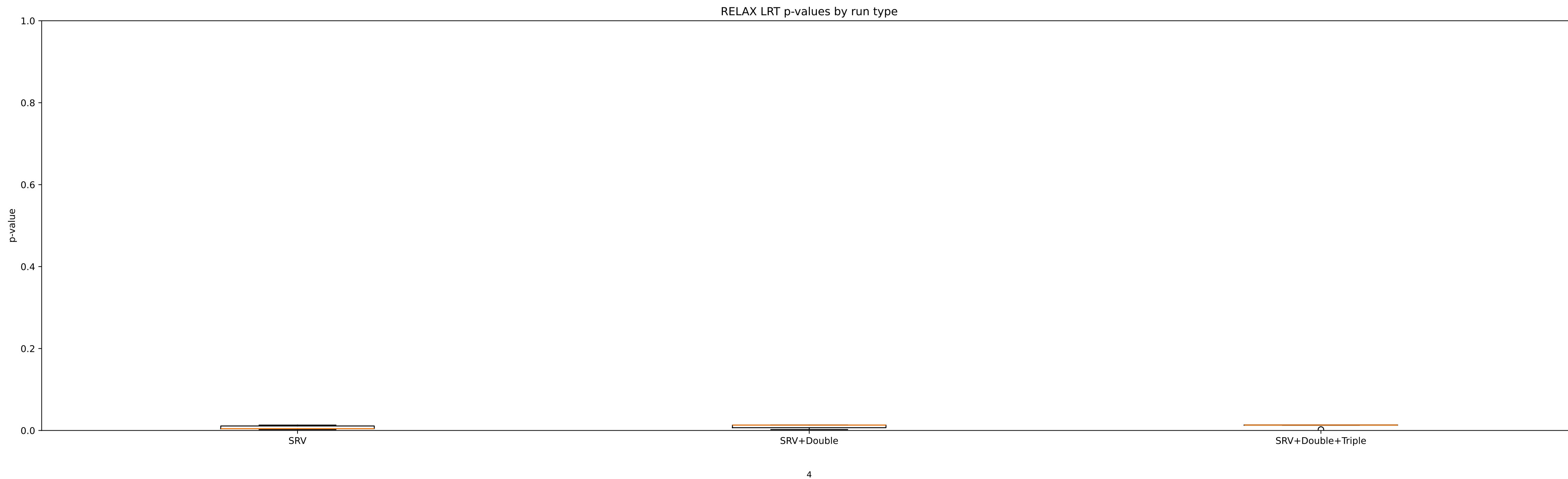
- Run-type summary
- Boxplots: K, p-values, 2H/3H
- Full omega/SRV/multihit tables (column-paged)

Run-type summary statistics

| p_median | p_min | p_max | K_median | K_min | K_max | omega_ref_med ian | omega_test_med ian | warnings_count | 2H_reference_m edian | 2H_test_median |
|----------|--------|--------|----------|-------|-------|----------------------|-----------------------|----------------|-------------------------|----------------|
| 0.0045 | 0.0022 | 0.0131 | 26.84 | 0.0 | 50.0 | 0.404 | 0.161 | 10 | nan | nan |
| 0.0131 | 0.0022 | 0.0132 | 0.0 | 0.0 | 47.96 | 0.404 | 0.161 | 10 | 0.0 | 0.0 |
| 0.0132 | 0.0023 | 0.0132 | 0.0 | 0.0 | 18.37 | 0.404 | 0.161 | 10 | 0.0 | 0.0 |

K (alternative) by run type





2H rates (reference) 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 | 0.0044 | 27.05 | 0.404 | 0.161 | |
| | 2 | 0.0131 | 0.0 | 0.404 | 0.161 | |
| | 3 | 0.0045 | 26.77 | 0.404 | 0.161 | |
| | 4 | 0.0131 | 0.0 | 0.404 | 0.161 | |
| | 5 | 0.0044 | 36.89 | 0.404 | 0.161 | |
| | 6 | 0.0022 | 26.91 | 0.404 | 0.161 | |
| | 7 | 0.0045 | 29.74 | 0.404 | 0.161 | |
| | 8 | 0.0131 | 0.0 | 0.404 | 0.161 | |
| | 9 | 0.0046 | 18.06 | 0.404 | 0.161 | |
| | 10 | 0.0044 | 50.0 | 0.404 | 0.161 | |

| | replicate | p_value | K_alt | global_dNdS_reference | global_dNdS_test | |
|--|-----------|---------|-------|-----------------------|------------------|--|
| | 1 | 0.0024 | 11.83 | 0.404 | 0.161 | |
| | 2 | 0.0131 | 0.0 | 0.404 | 0.161 | |
| | 3 | 0.0131 | 0.0 | 0.404 | 0.161 | |
| | 4 | 0.0131 | 0.0 | 0.404 | 0.161 | |
| | 5 | 0.0022 | 47.96 | 0.404 | 0.161 | |
| | 6 | 0.0047 | 14.81 | 0.404 | 0.161 | |
| | 7 | 0.0131 | 0.0 | 0.404 | 0.161 | |
| | 8 | 0.013 | 0.0 | 0.404 | 0.161 | |
| | 9 | 0.0132 | 0.0 | 0.404 | 0.161 | |
| | 10 | 0.0131 | 0.0 | 0.404 | 0.161 | |

| | replicate | p_value | K_alt | global_dNdS_reference | global_dNdS_test | |
|--|-----------|---------|-------|-----------------------|------------------|--|
| | 1 | 0.0132 | 0.0 | 0.404 | 0.161 | |
| | 2 | 0.013 | 0.0 | 0.404 | 0.161 | |
| | 3 | 0.0132 | 0.0 | 0.404 | 0.161 | |
| | 4 | 0.0132 | 0.0 | 0.404 | 0.161 | |
| | 5 | 0.0131 | 0.0 | 0.404 | 0.161 | |
| | 6 | 0.0132 | 0.0 | 0.404 | 0.161 | |
| | 7 | 0.0023 | 18.37 | 0.404 | 0.161 | |
| | 8 | 0.0132 | 0.0 | 0.404 | 0.161 | |
| | 9 | 0.0131 | 0.0 | 0.404 | 0.161 | |
| | 10 | 0.0132 | 0.0 | 0.404 | 0.161 | |

| | | | | | | | |
|--|--|-----------|--|---------|--------|------------|--|
| | | test | Negative selection | 0.0 | 17.85 | SRV+Double | |
| | | test | Negative selection | 0.0 | 58.025 | SRV+Double | |
| | | test | Negative selection | 0.0 | 17.85 | SRV+Double | |
| | | reference | Negative selection, Diversifying selection | 1.286 | 22.66 | SRV+Double | |
| | | reference | Negative selection | 0.034 | 60.757 | SRV+Double | |
| | | reference | Negative selection, Diversifying selection | 0.359 | 16.583 | SRV+Double | |
| | | test | Negative selection | 1.286 | 22.66 | SRV+Double | |
| | | test | Negative selection | 0.034 | 60.757 | SRV+Double | |
| | | test | Negative selection, Diversifying selection | 0.359 | 16.583 | SRV+Double | |
| | | reference | Negative selection | 1.016 | 0.0 | SRV+Double | |
| | | reference | Negative selection | 0.0 | 58.555 | SRV+Double | |
| | | reference | Negative selection, Diversifying selection | 0.98 | 41.445 | SRV+Double | |
| | | test | Negative selection, Diversifying selection | 2.113 | 0.0 | SRV+Double | |
| | | test | Negative selection, Diversifying selection | 1.016 | 0.0 | SRV+Double | |
| | | test | Negative selection | 0.0 | 58.555 | SRV+Double | |
| | | test | Negative selection | 0.384 | 41.445 | SRV+Double | |
| | | test | Negative selection | 0.0 | 58.555 | SRV+Double | |
| | | test | Negative selection, Diversifying selection | 0.98 | 41.445 | SRV+Double | |
| | | reference | Negative selection, Diversifying selection | 2.196 | 1.155 | SRV+Double | |
| | | reference | Negative selection | 0.0 | 60.771 | SRV+Double | |
| | | reference | Negative selection, Diversifying selection | 0.907 | 38.074 | SRV+Double | |
| | | test | Negative selection, Diversifying selection | 2.196 | 1.155 | SRV+Double | |
| | | test | Negative selection | 0.0 | 60.771 | SRV+Double | |
| | | test | Negative selection, Diversifying selection | 0.907 | 38.074 | SRV+Double | |
| | | reference | Negative selection, Diversifying selection | 1.01 | 0.0 | SRV+Double | |
| | | reference | Negative selection | 0.0 | 56.725 | SRV+Double | |
| | | reference | Negative selection, Diversifying selection | 0.934 | 43.275 | SRV+Double | |
| | | test | Negative selection, Diversifying selection | 1.165 | 0.0 | SRV+Double | |
| | | test | Negative selection, Diversifying selection | 1.01 | 0.0 | SRV+Double | |
| | | test | Negative selection | 0.0 | 56.725 | SRV+Double | |
| | | test | Negative selection | 0.363 | 43.275 | SRV+Double | |
| | | test | Negative selection | 0.0 | 56.725 | SRV+Double | |
| | | test | Negative selection, Diversifying selection | 0.934 | 43.275 | SRV+Double | |
| | | reference | Negative selection, Diversifying selection | 310.349 | 0.024 | SRV+Double | |
| | | reference | Negative selection | 0.0 | 59.509 | SRV+Double | |
| | | reference | Negative selection, Diversifying selection | 0.9 | 40.467 | SRV+Double | |
| | | test | Negative selection, Diversifying selection | 310.349 | 0.024 | SRV+Double | |
| | | test | Negative selection | 0.0 | 59.509 | SRV+Double | |
| | | test | Negative selection, Diversifying selection | 0.9 | 40.467 | SRV+Double | |
| | | reference | Negative selection, Diversifying selection | 1.82 | 23.912 | SRV+Double | |
| | | reference | Negative selection | 0.0 | 76.088 | SRV+Double | |
| | | reference | Negative selection, Diversifying selection | 0.766 | 0.0 | SRV+Double | |
| | | test | Negative selection, Diversifying selection | 1.0 | 23.912 | SRV+Double | |
| | | test | Negative selection, Diversifying selection | 1.82 | 23.912 | SRV+Double | |
| | | test | Negative selection | 0.0 | 76.088 | SRV+Double | |
| | | test | Negative selection | 1.0 | 0.0 | SRV+Double | |
| | | test | Negative selection | 0.0 | 76.088 | SRV+Double | |
| | | test | Negative selection, Diversifying selection | 1.286 | 0.0 | SRV+Double | |
| | | reference | Negative selection, Diversifying selection | 1.443 | 15.842 | SRV+Double | |
| | | | Negative selection | 0.0 | 0.0 | SRV+Double | |

| SRV rate classes (all) (cols 1-6/6) | | | | | |
|-------------------------------------|----------|----------|---------------------|----------|--|
| | class_id | syn_rate | proportion_per cent | run_type | |
| | 1 | 0.0 | 17.515 | SRV | |
| | 2 | 0.367 | 15.775 | SRV | |
| | 3 | 1.412 | 66.71 | SRV | |
| | 1 | 0.034 | 0.216 | SRV | |
| | 2 | 0.034 | 24.083 | SRV | |
| | 3 | 1.31 | 75.7 | SRV | |
| | 1 | 0.194 | 35.295 | SRV | |
| | 2 | 0.313 | 1.054 | SRV | |
| | 3 | 1.459 | 63.651 | SRV | |
| | 1 | 0.0 | 21.872 | SRV | |
| | 2 | 0.63 | 13.443 | SRV | |
| | 3 | 1.415 | 64.685 | SRV | |
| | 1 | 0.038 | 24.304 | SRV | |
| | 2 | 0.045 | 0.199 | SRV | |
| | 3 | 1.312 | 75.497 | SRV | |
| | 1 | 0.172 | 34.145 | SRV | |
| | 2 | 0.276 | 0.606 | SRV | |
| | 3 | 1.44 | 65.248 | SRV | |
| | 1 | 0.0 | 22.854 | SRV | |
| | 2 | 0.919 | 25.375 | SRV | |
| | 3 | 1.481 | 51.771 | SRV | |
| | 1 | 0.228 | 29.48 | SRV | |
| | 2 | 0.295 | 10.437 | SRV | |
| | 3 | 1.501 | 60.082 | SRV | |
| | 1 | 0.0 | 22.62 | SRV | |
| | 2 | 0.871 | 23.207 | SRV | |
| | 3 | 1.473 | 54.173 | SRV | |
| | 1 | 0.039 | 24.51 | SRV | |
| | 2 | 0.772 | 0.0 | SRV | |
| | 3 | 1.312 | 75.49 | SRV | |
| | 1 | 0.189 | 0.069 | SRV | |
| | 2 | 0.208 | 36.863 | SRV | |
| | 3 | 1.464 | 63.068 | SRV | |
| | 1 | 0.0 | 21.453 | SRV | |
| | 2 | 0.575 | 12.88 | SRV | |
| | 3 | 1.41 | 65.668 | SRV | |
| | 1 | 0.0 | 22.254 | SRV | |
| | 2 | 0.654 | 12.67 | SRV | |
| | 3 | 1.409 | 65.076 | SRV | |

