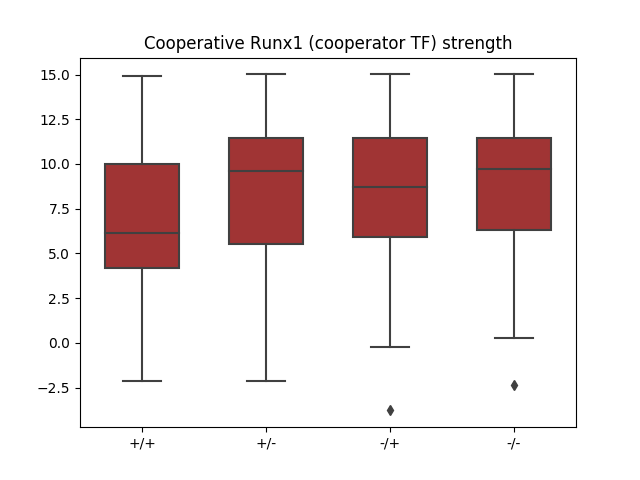
**All distances, per orientation**



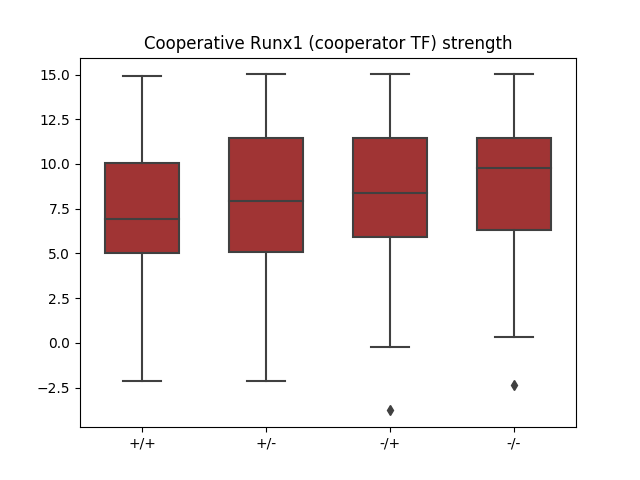
Statistical testing (wilcox testing) for **Runx1 strength**

“+/+” less than “+/-“, p-value: 7.528e-12

“+/+” less than “+/-“, p-value: 3.451e-09

“+/+” less than “-/-“, p-value: 1.680e-09

**Without dist=5, per orientation**



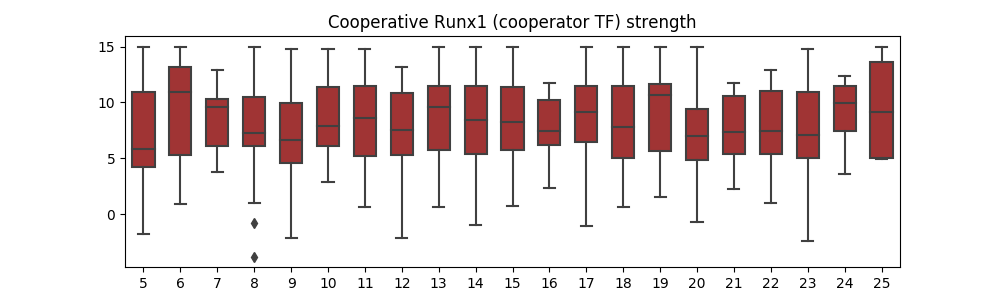
Statistical testing (wilcox testing) for **Runx1 strength**

“+/+” less than “+/-“, p-value: 9.347e-02

“+/+” less than “+/-“, p-value: 1.471e-02

“+/+” less than “-/-“, p-value: 1.071e-03

**Per distance**

****

p-value of dist=5 < dist=x:

6 : 0.011172275719306894

7 : 0.045781651223720375

8 : 0.012050024889575135

**9 : 0.4490822144224069**

10 : 0.007704196565938581

11 : 0.007284303039464805

12 : 0.019674154189799738

13 : 0.0008780853226397507

14 : 0.005860447571664324

15 : 0.005270408637312045

16 : 0.008227875162040627

17 : 0.0026895392822346236

18 : 0.023238490750864465

19 : 0.0028888251317531425

**20 : 0.408471913746886**

21 : 0.053996611922750334

22 : 0.05266196710034696

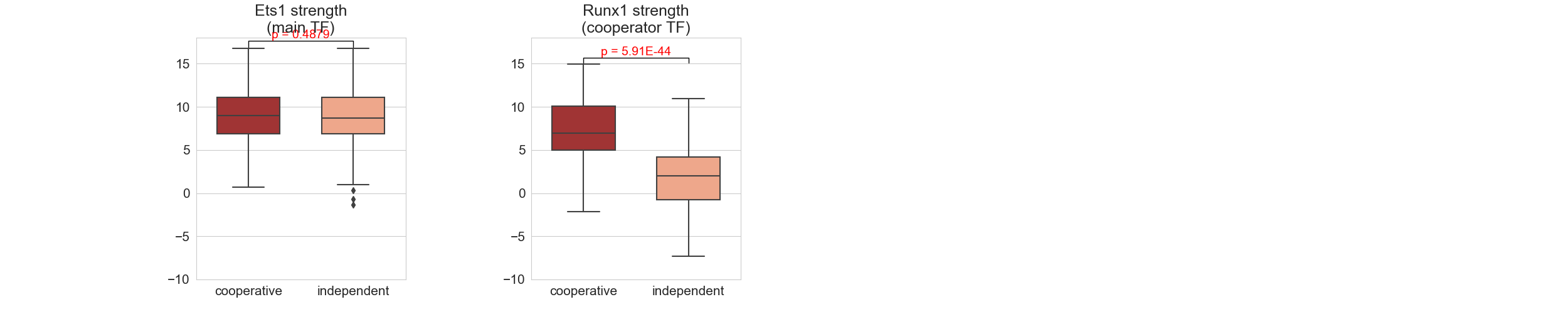
23 : 0.05157422961257851

24 : 0.009824234559079093

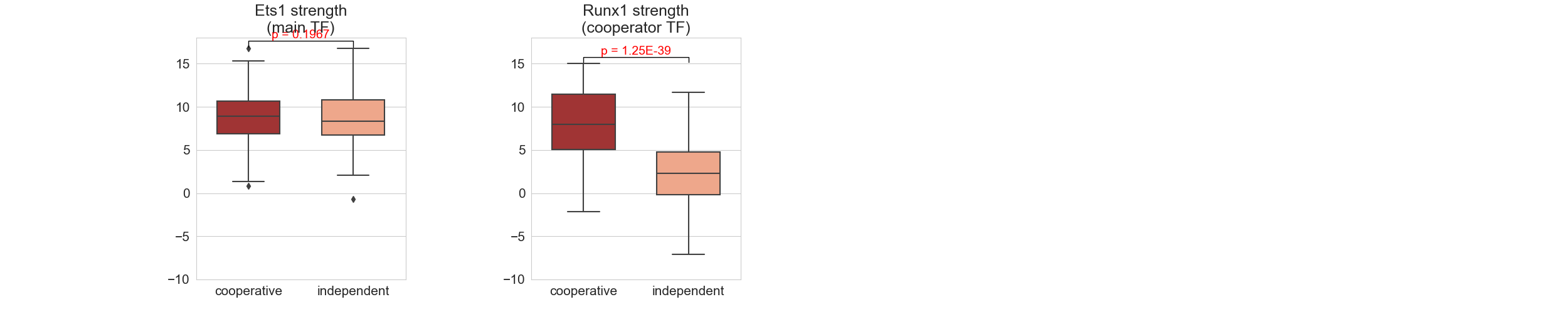
25 : 0.09101496558467803

🡪 There seems to be a periodicity from dist=9 to dist=20 (~10.5bp?)

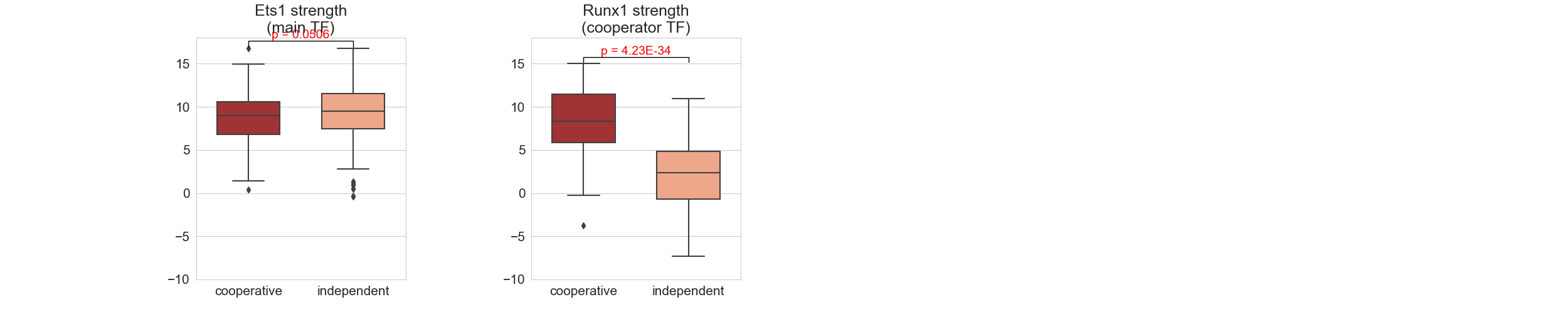
**Without dist=5, orientation +/+**

****

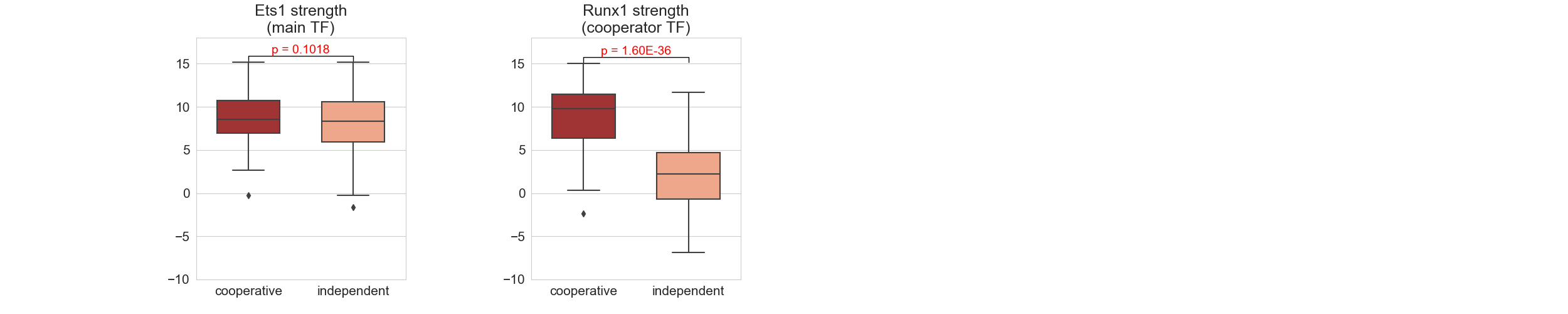
**Without dist=5, orientation +/-**

****

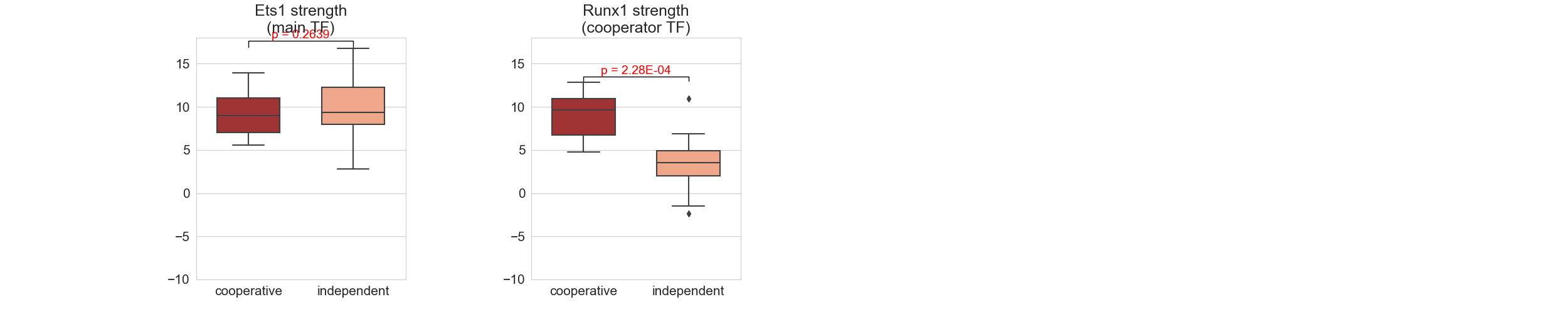
**Without dist=5, orientation -/+**

****

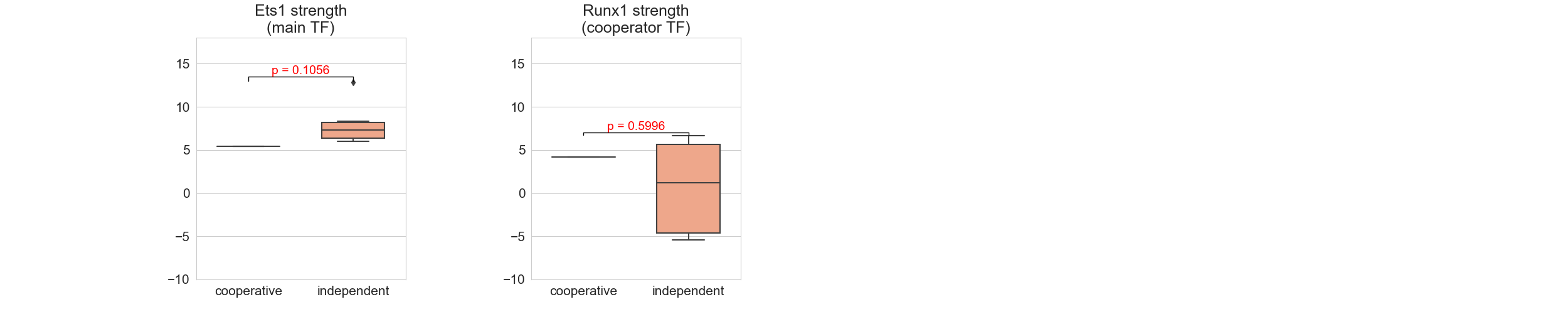
**Without dist=5, orientation -/-**

****

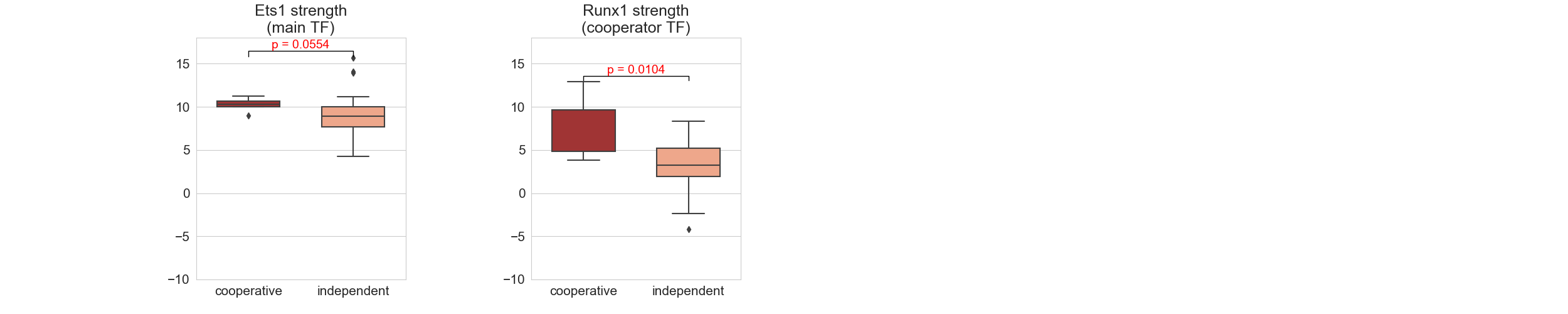
**Dist=7, ori +/+**

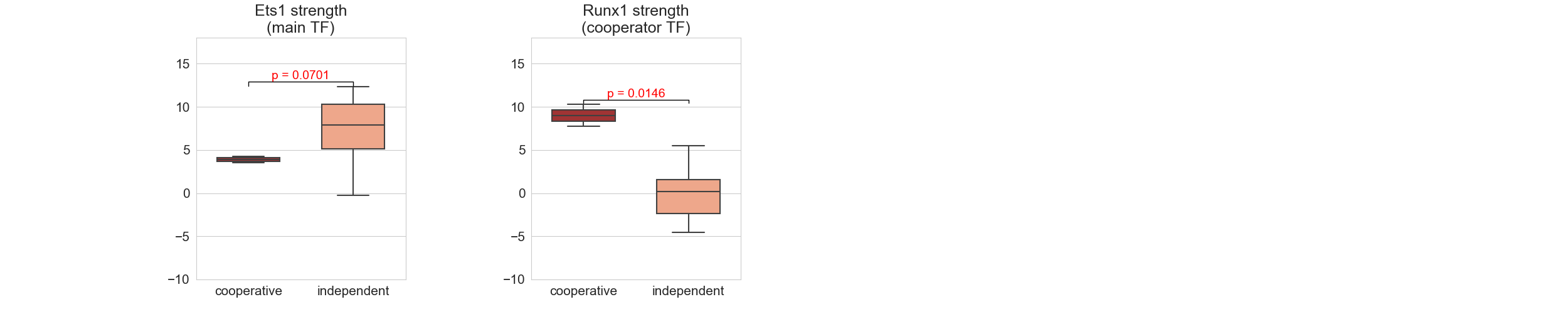
****

**Dist=7, ori +/-**

****

**Dist=7, ori -/+**

****

**Dist=7, ori -/-**