

Table S1. **Rescue assays between Ryk and noncanonical Wnt components**

Injected RNAs	++	+	-	Number
Wnt11 + XRyk MO and ΔC				
Uninjected	96.9	0	3.1	32
500 pg Wnt11	0	25	75	28
500 pg Wnt11 + 20 ng XRyk MO	70.6	14.7	14.7	34
500 pg Wnt11 + 40 ng XRyk MO	62.2	27.0	10.8	37
500 pg Wnt11 + 1 ng XRyk ΔC	40.9	45.5	13.6	22
XRyk + Xdd1				
Uninjected	77.8	22.2	0	45
1 ng XRyk	6.9	24.1	70	29
1 ng XRyk + 2 ng Xdd1	22.5	32.6	44.9	49
1 ng XRyk + 3 ng Xdd1	51.6	29.0	19.4	31
XRyk + DN XRhoA				
Uninjected	96.7	0	3.3	31
1 ng XRyk	0	56.2	43.8	32
1 ng XRyk + 400 pg DN XRhoA	29.0	48.4	22.6	31
XRyk + xβarr2 MO				
Uninjected	79.4	20.6	0	34
1 ng XRyk	0	29.4	70.6	34
1 ng XRyk + 5 ng xβarr2 MO	34.1	41.5	24.4	41

Each DMZ elongation assay was performed more than three times. *n*, total number of explants. ++, significant elongation (length/width ratio > 3); +, mild elongation (length/width ratio > 2); -, no or weak elongation.