Gene pair counts by gene type and relative orientation \rightarrow AB \rightarrow A \rightarrow B 0 15 10 AB 0 5 0 div. downstr. upstr. div. downstr. upstr. div. downstr. upstr. conv. conv. conv. 15 10 < 0 0 0 0 5 div. downstr. upstr. div. downstr. upstr. div. conv. conv. downstr. upstr. conv. 15 1 10 \Box 5 div. downstr. upstr. div. downstr. upstr. div. downstr. upstr. conv. conv. conv.