Figure 1. Generating tissue samples with different aspects of organizer activity

A  Embryo Manipulations

Inject → Sort

Bisect at stg. 10 or stg. 11.5

discard

Isolate total RNA and apply to oligonucleotide arrays

B  Injections Mixtures and Tailbud Phenotypes

noggin DNA 20pg + eGFP mRNA 250pg

noggin DNA 20pg + dkk-1 DNA 50pg + eGFP mRNA 250pg

dkk-1 DNA 50pg + eGFP mRNA 250pg

eGFP mRNA 250pg

C  Microarray Tissue Samples

Nog: Ventral halves ectopic trunk organizer

Nog+Dkk: Ventral halves ectopic full organizer

Dkk: Ventral halves ectopic Wnt-inhibition without axis induction

Dor: Dorsal halves endogenous dorsal tissue

Ven: Ventral halves endogenous ventral tissue