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SUPPLEMENTARY MATERIAL

corresponding to:

Identification and expression of ventrally associated leucine-zipper (VAL) in *Xenopus* embryo

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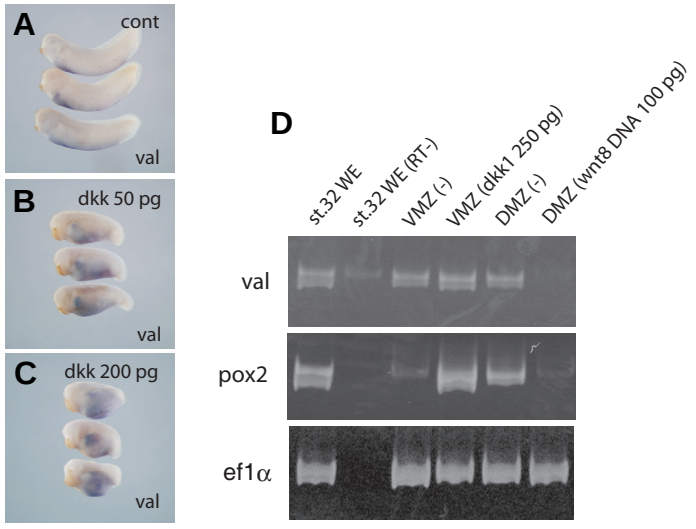

Supplementary Fig. S1. Regulation of *val* expression by wnt signal. (A-C) *Embryos were injected with 50 pg (B) or 200 pg (C)* dkk1 *RNA and cultured until the tailbud stage (st. 32). Uninjected control embryos were also cultured (A). These embryos were fixed and subjected to the whole-mount* in situ *hybridization analysis for detection of* val *mRNA.* **(D)** *Ventral marginal zone (VMZ) or dorsal marginal zone (DMZ) explants were prepared from the embryos that had been injected with* dkk1 *RNA (250 pg) or* wnt8 *DNA (100 pg) at the 4-cell stage and cultured until the tailbud stage (st. 32). Explants were subjected for the RT-PCR analysis to detect the expression of* val, pox2 *and* ef1α*. Injection of* dkk1 *causes anteriorization of the embryos in* in situ *hybridization analysis (A-C), but the RT-PCR assay indicates that* val *message is not significantly enhanced by the injection of* dkk1 *(D).*