Supplementary Material

# Supplementary Table 1. Composition of buffers and solutions for *in situ* hybridization.

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| **Buffer/Solution** | **Composition** |
| “Salts” (10x) | 2 M NaCl50 mM EDTA100 mM Tris-HCl pH 7.550 mM NaH2PO4 · 2 H2050 mM Na2HPO4 |
| Antibody solution | anti-Digoxigenin-AP antibody1:1,500 in blocking solution |
| Blocking solution | MABT buffer with2 % (w/v) blocking reagent10 % (v/v) sheep serum |
| DEPC-treated water | add 1 mL DEPC to 1 L aqua dest,mix and store in the dark over night,autoclave |
| Developing solution | Pre-developing buffer with5 % polyvinyl alcohol0.12 mM NBT0.11 mM BCIPadjust pH to 9.8 |
| Hybridization mix | 10 % (v/v) “Salts” (10x)50 % (v/v) formamide10 % (w/v) dextran sulfate2 % (v/v) Denhardt’s (50x)100 µg/ml tRNA |
| MABT buffer | 100 mM maleic acid150 mM NaCl0.1 % (v/v) Tween 20adjust pH to 7.5 |
| Pre-developing buffer | 100 mM Tris100 mM NaCl50 mM MgCl2adjust pH to 9.8 |
| SSC (20x) | 3 M NaCl0.3 M Na citrate dihydrateadjust pH to 7.0 |
| Wash buffer | 1 % (v/v) SSC50 % (v/v) formamide0.1 % (v/v) Tween 20 |