

Wholomount *In Situ* Hybridization Rehydration, Hybridization & Staining

(Rivera Lab)

Experiment #: _____ Date: _____ Probe: _____

Cross: _____ Diss. Date: _____ No. Embryos: _____

DAY 1			BLOCKING		
REHYDRATION			<input type="checkbox"/> Blocking Solution 2% BBR in MABT		
<input type="checkbox"/> 75% MetOH/PBT <input type="checkbox"/> 50% MetOH/PBT <input type="checkbox"/> 25% MetOH/PBT <input type="checkbox"/> PBT			1 h RT		
PROT K TREATMENT			<input type="checkbox"/> Blocking Sol. + NGS 2% BBR, 10% NGS in MABT		
<input type="checkbox"/> 10 µg/ml Prot. K in PBT <input type="checkbox"/> PBT <input type="checkbox"/> PBT			1 h RT		
RE-FIXATION			<input type="checkbox"/> Antibody Stain 1:2000 α DIG-AP, 2% BBR, 10% NGS in MABT		
<input type="checkbox"/> 4% PFA/0.2% Glutaraldehyde in PBT <input type="checkbox"/> PBT <input type="checkbox"/> PBT			o/n 4°C		
DAY 2			DAY 3		
HYBRIDIZATION			WASHES		
<input type="checkbox"/> 1:1 PBT/Hyb. Sol. <input type="checkbox"/> Hyb. Solution <input type="checkbox"/> Hyb. Solution <input type="checkbox"/> Hyb. Solution <input type="checkbox"/> 0.1 – 1 µg/ml probe in Hyb. Solution			<input type="checkbox"/> MABT <input type="checkbox"/> MABT <input type="checkbox"/> MABT <input type="checkbox"/> MABT <input type="checkbox"/> MABT		
Let Settle Rinse Rinse 2 h o/n			RT RT RT 70°C 70°C		
			<input type="checkbox"/> MABT <input type="checkbox"/> MABT <input type="checkbox"/> MABT <input type="checkbox"/> MABT <input type="checkbox"/> MABT		
			Rinse RT Rinse RT 20 min RT 20 min RT 20 min RT		
			STAINING		
			<input type="checkbox"/> NTMT <input type="checkbox"/> NTMT <input type="checkbox"/> Staining Solution 20 µl/ml NBT/BCIP in NTMT		
			10 min RT 10 min RT 30 min – 3d RT		
DAY 2			WASHES		
WASHES			<input type="checkbox"/> PBT <input type="checkbox"/> PBT <input type="checkbox"/> 4% PFA in PBT		
<input type="checkbox"/> Hyb. Solution <input type="checkbox"/> Hyb. Solution <input type="checkbox"/> Hyb. Solution <input type="checkbox"/> Hyb. Solution <input type="checkbox"/> 1:1 Hyb. Sol./MABT			Rinse 70°C Rinse 70°C 1 h 70°C 1 h 70°C 10 min 70°C		
<input type="checkbox"/> MABT <input type="checkbox"/> MABT <input type="checkbox"/> MABT <input type="checkbox"/> MABT			<input type="checkbox"/> PBT <input type="checkbox"/> PBT <input type="checkbox"/> 4% PFA in PBT		
			RT RT 30 min RT 30 min RT		
CLEARING & STORAGE			CLEARING & STORAGE		
			<input type="checkbox"/> 25% Glycerol/PBT <input type="checkbox"/> 50% Glycerol/PBT <input type="checkbox"/> 80% Glycerol/PBT <input type="checkbox"/> 80% Glycerol/PBT (Optional 0.02% Azide)		
			Equilibrate RT Equilibrate RT Equilibrate RT Store 4°C		