

Additional File 11

Table S1: Antibody dilutions and respective Western Blotting conditions

Antibody	Manufactured Concentration	Dilution	Blocking Solution
H3K4me3	n/a	1:600	BSA
H3K27me3	1µg/µl	1:1000	BSA
H3K36me3	0.2µg/µl	1:200	BSA
H4K5ac	0.523µg/µl	1:1000	Skim Milk
H4K12ac	1µg/µl	1:1000	Skim Milk
H3panAc	1µg/µl	1:1000	Skim Milk
Total H3	0.68µg/µl	1:5000	Skim Milk or BSA
Total H4	0.52µg/µl	1:2000	Skim Milk

BSA - Bovine Serum Albumin

Table S2: Antibody dilutions and respective Immunohistochemistry conditions

Antibody	Dilution	DAB Time	Antigen Retrieval	Ab Diluent	Washing Buffer #1	Washing Buffer #2
5mC	1:500	4min	Sodium Citrate pH 6.0	1% BSA in PBS	1X PBS + 0.2% Triton-X-100	1X PBS
5hmC	1:3000	5min	Tris-EDTA pH 9.0	1% BSA in TBS	1X TBS + 0.1% Tween 20	1X TBS
5fC	1:400	5min	Tris-EDTA pH 9.0	1% BSA in TBS	1X TBS + 0.1% Tween 20	1X TBS
5caC	1:250	5min	Tris-EDTA pH 9.0	1% BSA in TBS	1X TBS + 0.1% Tween 20	1X TBS
H3K4me3	1:500	5min	Sodium Citrate pH 6.0	1% BSA in PBS	1X PBS + 0.2% Triton-X-100	1X PBS
H3K9ac	1:500	5min	Tris-EDTA pH 9.0	1% BSA in TBS	1X TBS + 0.1% Tween 20	1X TBS
H3K9me2, K9me3	1:700	4min	Sodium Citrate pH 6.0	1% BSA in PBS	1X PBS + 0.2% Triton-X-100	1X PBS
H3K14ac	1:150	5min	Sodium Citrate pH 6.0	1% BSA in PBS	1X PBS + 0.2% Triton-X-100	1X PBS
H3K27ac	1:500	5min	Sodium Citrate pH 6.0	1% BSA in PBS	1X PBS + 0.2% Triton-X-100	1X PBS
H3K27me2	1:700	4min	Sodium Citrate pH 6.0	1% BSA in PBS	1X PBS + 0.2% Triton-X-100	1X PBS

Antibody	Dilution	DAB Time	Antigen Retrieval	Ab Diluent	Washing Buffer #1	Washing Buffer #2
H3K27me3	1:150	5min	Sodium Citrate pH 6.0	1% BSA in PBS	1X PBS + 0.2% Triton-X-100	1X PBS
H3K36me3	1:100	6mins	Tris-EDTA pH 9.0	1% BSA in TBS	1X TBS + 0.1% Tween 20	1X TBS
H4K5ac	1:350	5min	Tris-EDTA pH 9.0	1% BSA in TBS	1X TBS + 0.1% Tween 20	1X TBS
H4K12ac	1:300	5min	Tris-EDTA pH 9.0	1% BSA in TBS	1X TBS + 0.1% Tween 20	1X TBS
H4K16ac	1:100	6min	Sodium Citrate pH 6.0	1% BSA in PBS	1X PBS + 0.2% Triton-X-100	1X PBS
H3panAc	1:200	5min	Sodium Citrate pH 6.0	1% BSA in PBS	1X PBS + 0.2% Triton-X-100	1X PBS
Total H3	1:300	6min	Sodium Citrate pH 6.0	1% BSA in PBS	1X PBS + 0.2% Triton-X-100	1X PBS
Total H4	1:1000	5min	Tris-EDTA pH 9.0	1% BSA in TBS	1X TBS + 0.1% Tween 20	1X TBS

PBS – phosphate buffered saline

TBS – tris-buffered saline