

Table S1. The genomic coordinates and their methylation status by the ascidian DNA methylation analysis

UCSC ci2	Start	End	Methylated	CpG score
chr04q	3184251	3186250	0	0.937
chr04q	3205251	3207250	0	0.925
chr04q	3222501	3224500	1	0.507
chr04q	3243251	3245250	0	0.900
chr04q	3249001	3251000	0	1.063
chr04q	3258751	3260750	0	0.816
chr04q	3305001	3307000	0	1.238
chr04q	3349501	3351500	0	1.253
chr04q	3357751	3359750	1	0.469
chr04q	3375751	3377750	0	NA
chr04q	3385501	3387500	1	0.903
chr04q	3389751	3391750	0	1.289
chr04q	3402001	3404000	1	NA
chr04q	3412751	3414750	0	1.011
chr04q	3419001	3421000	1	0.406
chr04q	3454251	3456250	1	NA
chr04q	3478001	3480000	1	0.424
chr04q	3494251	3496250	0	0.882
chr04q	3513001	3515000	0	1.019
chr04q	3523251	3525250	1	0.515
chr04q	3533751	3535750	0	0.849
chr04q	3540751	3542750	1	0.748
chr04q	3547501	3549500	0	1.131
chr04q	3560251	3562250	1	0.404
chr04q	3573001	3575000	0	0.864
chr04q	3581751	3583750	1	0.671
chr04q	3586001	3588000	1	0.685
chr04q	3596001	3598000	0	1.157
chr04q	3612251	3614250	0	0.887

chr04q	3619251	3621250	0	NA
chr04q	3624251	3626250	0	1.071
chr04q	3634001	3636000	1	0.388
chr04q	3640251	3642250	0	0.683
chr04q	3644001	3646000	0	1.317
chr04q	3654251	3656250	1	0.572
chr04q	3662001	3664000	0	1.108
chr04q	3671001	3673000	1	0.383
chr04q	3679501	3681500	1	0.554
chr04q	3690001	3692000	0	0.977
chr04q	3714001	3716000	0	1.142
chr04q	3740501	3742500	0	0.901
chr04q	3745501	3747500	1	0.344
chr04q	3754501	3756500	1	0.534
chr04q	3760751	3762750	0	NA
chr04q	3769001	3771000	1	0.442
chr04q	3774251	3776250	0	1.131
chr04q	3789251	3791250	1	0.624
chr04q	3857251	3859250	0	0.980
chr04q	3859751	3861750	1	0.632
chr04q	3887751	3889750	0	1.216
chr04q	3917251	3919250	1	0.512
chr04q	3945751	3947750	1	0.371
chr04q	3951501	3953500	0	1.191
chr04q	3962001	3964000	1	0.432
chr04q	3968001	3970000	0	NA
chr04q	3971251	3973250	1	0.636
chr04q	3979501	3981500	0	0.949
chr04q	3990001	3992000	1	0.471
chr04q	3996001	3998000	0	1.225
chr04q	4003001	4005000	1	0.423
chr04q	4008751	4010750	0	0.838
chr04q	4019001	4021000	1	0.498

chr04q	4043251	4045250	0	NA
chr04q	4047001	4049000	1	NA
chr04q	4062251	4064250	0	1.066
chr04q	4072751	4074750	0	0.824
chr04q	4098751	4100750	1	0.362
chr04q	4113501	4115500	0	1.089
chr04q	4120251	4122250	1	0.318
chr04q	4140251	4142250	0	0.604
chr07q	8001	10000	1	0.533
chr07q	17251	19250	1	NA
chr07q	26001	28000	1	0.570
chr07q	38251	40250	1	1.285
chr07q	68501	70500	0	NA
chr07q	101251	103250	1	1.019
chr07q	134251	136250	0	NA
chr07q	142251	144250	1	0.580
chr07q	153251	155250	1	0.579
chr07q	164251	166250	1	0.399
chr07q	168251	170250	0	1.142
chr07q	176251	178250	1	0.481
chr07q	182501	184500	0	1.384
chr07q	188251	190250	1	0.529
chr07q	208501	210500	1	0.453
chr07q	239001	241000	0	0.671
chr07q	240251	242250	1	0.376
chr07q	249501	251500	1	1.007
chr07q	281501	283500	1	0.584
chr07q	294001	296000	0	1.042
chr07q	323251	325250	0	0.894
chr07q	333001	335000	1	0.695
chr07q	335251	337250	0	1.067
chr07q	338001	340000	1	0.563
chr07q	346001	348000	0	1.308

chr07q	377001	379000	0	1.156
chr07q	391001	393000	1	0.753
chr07q	416501	418500	1	0.493
chr07q	449751	451750	0	0.958
chr07q	481251	483250	0	1.249
chr07q	500001	502000	1	0.580
chr07q	518501	520500	1	0.536
chr07q	536501	538500	1	0.472
chr07q	547501	549500	0	0.760
chr07q	547501	549500	1	0.760
chr07q	558751	560750	1	0.591
chr07q	562501	564500	0	0.712
chr07q	583501	585500	1	0.378
chr07q	592251	594250	0	0.944
chr07q	602751	604750	1	0.842
chr07q	639251	641250	0	1.113
chr07q	653001	655000	1	0.524
chr07q	666251	668250	1	0.311
chr07q	679751	681750	1	0.527
chr07q	682501	684500	0	0.923
chr07q	694001	696000	1	0.506
chr07q	711251	713250	0	0.899
chr07q	724501	726500	0	0.759
chr07q	747501	749500	0	NA
chr07q	823251	825250	1	0.490
chr07q	837751	839750	0	1.224
chr07q	860251	862250	0	0.853
chr07q	881251	883250	1	0.626
chr07q	914501	916500	1	0.718
chr07q	920751	922750	0	NA
chr07q	934001	936000	1	0.609