

Supplemental Table 3: Statistics showing enrichment or depletion of various motifs relative to Twist MC ChIP-Seq peaks

E-boxes	D (K-S test)	P-value (K-S test)	deg. freedom	P-value (T-test)
<i>CAAATG</i>	<i>0.051</i>	<i>5.63E-02</i>	<i>555</i>	<i>2.34E-01</i>
<i>CAACTG</i>	<i>0.043</i>	<i>2.26E-01</i>	<i>394</i>	<i>4.08E-01</i>
<i>CAAGTG</i>	<i>0.049</i>	<i>1.19E-01</i>	<i>444</i>	<i>1.49E-01</i>
<i>CAATTG</i>	<i>-0.077</i>	<i>7.95E-02</i>	<i>214</i>	<i>1.31E-01</i>
CACATG	0.426	< 2.20E-16	841	< 2.20E-16
CACCTG	0.216	9.28E-10	222	2.55E-08
CACGTG	0.440	< 2.20E-16	157	< 2.20E-16
CAGATG	0.290	< 2.20E-16	372	< 2.20E-16
CAGCTG	0.213	< 2.20E-16	402	< 2.20E-16
CATATG	0.191	1.03E-09	284	1.48E-09
CAYRTG	0.371	< 2.20E-16	1284	< 2.20E-16
CABVTG	0.310	< 2.20E-16	2283	< 2.20E-16
CANNTG - not CA/GA/TA	0.091	< 2.20E-16	2394	< 2.20E-16
CANNTG	0.188	< 2.20E-16	3894	< 2.20E-16
collaborators	D (K-S test)	P-value (K-S test)	deg. freedom	P-value (T-test)
RGGNCAG	0.112	3.20E-05	412	8.18E-05
su(H)	0.123	4.45E-04	136	2.61E-02
<i>dorsal</i>	<i>0.059</i>	<i>1.40E-01</i>	<i>284</i>	<i>1.91E-01</i>
<i>TAGteam</i>	<i>0.116</i>	<i>1.56E-02</i>	<i>287</i>	<i>5.15E-05</i>
snail	0.222	< 2.20E-16	513	< 2.20E-16
MEME Twist MC ± 50bp	D (K-S test)	P-value (K-S test)	deg. freedom	P-value (T-test)
MC +/-50 motif 1	0.467	< 2.20E-16	1393	< 2.20E-16
MC +/-50 motif 2	0.344	< 2.20E-16	1585	< 2.20E-16
MC +/-50 motif 3	0.095	3.16E-07	826	6.02E-09
MC +/-50 motif 4	0.731	< 2.20E-16	79	< 2.20E-16
MC +/-50 motif 5	0.228	< 2.20E-16	1066	< 2.20E-16
MC +/-50 motif 6	-0.135	< 2.20E-16	4450	< 2.20E-16
MC +/-50 motif 7	-0.058	3.43E-07	2223	2.21E-04
MC +/-50 motif 8	0.287	< 2.20E-16	312	< 2.20E-16
<i>MC +/-50 motif 9</i>	<i>-0.160</i>	<i>1.67E-01</i>	<i>34</i>	<i>2.73E-01</i>
MC +/-50 motif 10	0.416	1.53E-05	31	2.97E-05

grey italics = not significantly enriched or disenriched near Twist peaks

D > 0 refers to motifs that are enriched relative to Twist peaks; D < 0 to disenriched

P-values are in base 10 i.e. 2.2E-16 means 2.2×10^{-16}

MEME motifs 2, 8, 1, and 5 are shown in Fig. 5. The other MEME motifs are shown in Suppl. Fig.11

E-box motifs are shown in Fig. 3 and Suppl. Fig. 8. 'Collaborators' are shown in Suppl. Fig. 12

See Supplemental Methods for a description of the test statistics