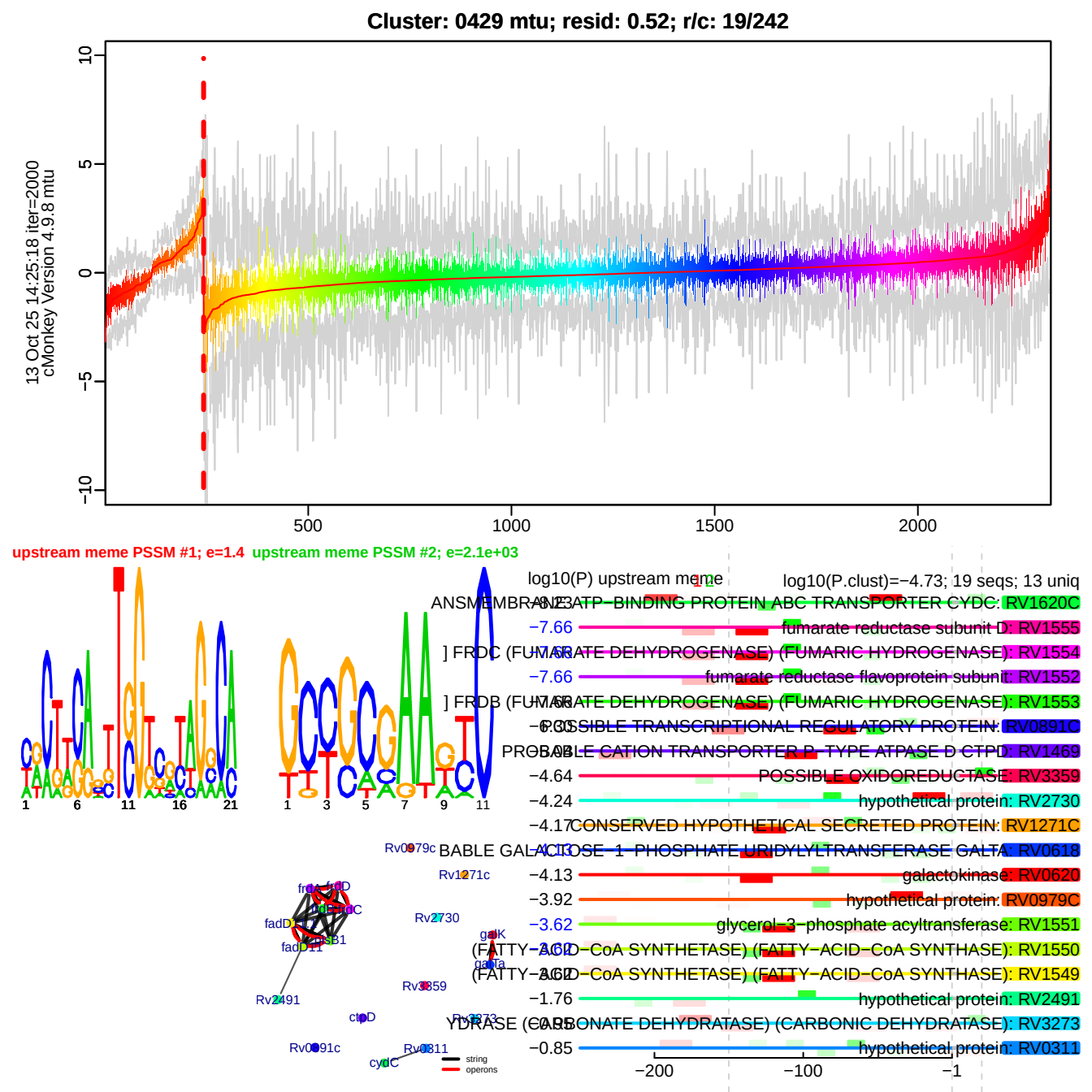

Cluster: 0429 mtu; resid: 0.52; r/c: 19/242
13 Oct 25 14:25:18 iter=2000
cMonkey Version 4.9.8 mtu
10
5
0
−5
−10
500
1000
1500
2000
upstream meme PSSM #1; e=1.4
upstream meme PSSM #2; e=2.1e+03
1
6
11
16
21
1
3
5
7
9
11
log10(P) upstream meme
log10(P.clust)=−4.73; 19 seqs; 13 uniq
ANSMEMBRANE ATP−BINDING PROTEIN ABC TRANSPORTER CYDC: RV1620C
fumarate reductase subunit D: RV1555
] FRDC (FUMARATE DEHYDROGENASE) (FUMARIC HYDROGENASE): RV1554
fumarate reductase flavoprotein subunit: RV1552
] FRDB (FUMARATE DEHYDROGENASE) (FUMARIC HYDROGENASE): RV1553
POSSIBLE TRANSCRIPTIONAL REGULATORY PROTEIN: RV0891C
PROBABLE CATION TRANSPORTER P−TYPE ATPASE D CTPD: RV1469
POSSIBLE OXIDOREDUCTASE: RV3359
hypothetical protein: RV2730
CONSERVED HYPOTHETICAL SECRETED PROTEIN: RV1271C
BABLE GALACTOSE−1−PHOSPHATE URIDYLYLTRANSFERASE GALTA: RV0618
galactokinase: RV0620
hypothetical protein: RV0979C
glycerol−3−phosphate acyltransferase: RV1551
(FATTY−ACID−CoA SYNTHETASE) (FATTY−ACID−CoA SYNTHASE): RV1550
(FATTY−ACID−CoA SYNTHETASE) (FATTY−ACID−CoA SYNTHASE): RV1549
hypothetical protein: RV2491
YDRASE (CARBONATE DEHYDRATASE) (CARBONIC DEHYDRATASE): RV3273
hypothetical protein: RV0311
−7.66
−7.66
−6.30
−4.64
−4.24
−4.17
−4.13
−3.92
−3.62
−1.76
−0.85
−200
−100
−1
Rv0979c
Rv1271c
Rv2730
Rv3359
Rv2491
Rv3273
Rv0891c
Rv0811
fadD11
fadD11
ctpD
cydC
string
operons