NAD(H)−dependent reaction flux changes

HSD vs NSD (FVA−sampling)

Aldh−III (MAR08503) [c]
CG17896 (MAR03795) [m]
CG17896 (MAR04282) [m]
No gene (MAR04497) [m]
Aldh ; Aldh−III (MAR08357) [m]
Aldh−III (MAR06760) [c]
Dhfr (MAR04654) [c]
CG6287 (MAR03839) [c]
Dhfr (MAR04332) [c]
Aldh−III (MAR01568) [c]
Gapdh1 ; Gapdh2 (MAR04373) [c]
CG5214 ; CG7430 (MAR05297) [m]
GS (MAR20017) [c]
Ldh (MAR04388) [c]
Aldh−III (MAR04685) [m]
Aldh−III (MAR02192) [m]
sgl (MAR04122) [c]
CG3999 ; CG6415 (MAR06409) [m]
ras (MAR04040) [c]
Nadsyn (MAR04261) [c]
CG33156 ; CG8080 (MAR04269) [c]
Echs1 ; Fatp1 (MAR06471) [m]
No gene (MAR06470) [m]
Coq6 (MAR02131) [c]
CG31075 (MAR06652) [r]
Echs1 ; Fatp1 (MAR06436) [m]
Echs1 ; Fatp1 (MAR06472) [m]
Cyp49a1 (MAR02767) [m]
No gene (MAR00022) [c; m]
Cyp49a1 (MAR02139) [c]
CG8888 (MAR06633) [r]
No gene (MAR08615) [m]
No gene (MAR08613) [c]
Cyp49a1 (MAR02140) [m]
No gene (MAR06482) [m]
Echs1 ; Fatp1 (MAR06484) [m]
No gene (MAR06488) [m]
Echs1 ; Fatp1 (MAR06473) [m]
Echs1 ; Fatp1 (MAR06486) [m]
CG8888 (MAR06644) [c]
Echs1 ; Fatp1 (MAR06453) [m]
Ldh (MAR05351) [c]
No gene (MAR03053) [p]
Mcad (MAR00764) [m]
Mdh1 (MAR04139) [c]
No gene (MAR01317) [c]
CG8888 (MAR06631) [c]
Aldh ; Aldh−III (MAR01134) [r]
Fdh (MAR01131) [r]
No gene (MAR00041) [m]
No gene (MAR06785) [c]
Mfe2 (MAR03059) [p]
Akr1B (MAR01678) [c]
Desat1 (MAR00148) [c]
Aldh ; Aldh−III (MAR01692) [c]
Fdh (MAR01684) [c]
P5CDh1 (MAR04784) [m]
Idh (MAR04588) [m]
CG8888 (MAR06638) [c]
P5CDh1 (MAR08097) [m]
scu (MAR03823) [m]
No gene (MAR03599) [c]
Mdh2 (MAR08069) [m]
Mdh1 (MAR08068) [c]
Ldh (MAR11479) [c]
Ldh (MAR11476) [c]
Ldh (MAR06519) [c]
Gpdh1 (MAR00481) [p]
Gdh (MAR03802) [m]
Echs1 ; Mcad (MAR06329) [m]
Echs1 ; Mcad (MAR06283) [m]
CG7430 (MAR06397) [c]
CG5214 ; CG7430 (MAR04239) [m]
CG3999 ; CG6415 (MAR03923) [m]
Aldh ; Aldh−III (MAR08504) [c]
Aldh ; Aldh−III (MAR08349) [c]
Aldh ; Aldh−III (MAR07993) [c]
Aldh ; Aldh−III (MAR06714) [c]
Aldh ; Aldh−III (MAR04797) [c]
Aldh ; Aldh−III (MAR03759) [m]
Aldh ; Aldh−III (MAR01132) [c]
Aldh ; Aldh−III (MAR00459) [m]
Aldh ; Aldh−III (MAR00456) [c]
Aldh (MAR08563) [m]
Aldh (MAR03817) [m]
Aldh−III (MAR04841) [c]
Aldh−III (MAR03815) [c]
P5CDh1 (MAR03806) [m]
Ldh (MAR04280) [m]
Idh3a ; Idh3b (MAR03957) [m]
P5CDh1 (MAR03822) [m]
Aldh−III (MAR02188) [m]
No gene (MAR03238) [c]
Aldh−III (MAR02196) [m]
No gene (MAR03056) [p]
CG7461 ; Echs1 (MAR09719) [m]
No gene (MAR03397) [m]
Ldh (MAR04281) [p]
No gene (MAR00114) [r]
No gene (MAR00118) [r]
CG7461 ; Echs1 (MAR03428) [m]
Gpdh1 (MAR00479) [c]
CG7461 ; Echs1 (MAR03398) [m]
No gene (MAR06981) [c]
Echs1 ; Mcad (MAR06319) [m]
Arc42 ; Echs1 (MAR05988) [m]
Echs1 ; Mcad (MAR06347) [m]
Echs1 ; Mcad (MAR05030) [m]
CG7461 ; Mtpa (MAR05110) [m]
Mfe2 (MAR03328) [p]
ACOX1 ; Mfe2 (MAR00975) [p]
Aldh ; Aldh−III (MAR04559) [c]
Akr1B (MAR03854) [c]
Fdh (MAR08507) [c]
Mcad (MAR00965) [m]
CG7461 ; Echs1 (MAR03416) [m]
No gene (MAR08442) [c]
Mdh2 (MAR04141) [m]
Mcad (MAR00970) [m]
CG7461 ; Echs1 (MAR03425) [m]
CG7461 ; Echs1 (MAR03424) [m]
ACOX1 ; Mfe2 (MAR00982) [p]
ACOX1 ; Mfe2 (MAR01001) [p]
CG7461 ; Echs1 (MAR03414) [m]
Mcad (MAR00755) [m]
Cyt−b5−r (MAR00151) [c]
Desat1 (MAR00147) [c]
Mtpa ; scu (MAR03236) [m]
Echs1 ; Mcad (MAR05024) [m]
Echs1 ; Mcad (MAR05095) [m]
Mtpa ; scu (MAR03262) [m]
Mcad (MAR01009) [m]
Cyt−b5−r (MAR02505) [c]
ACOX1 ; Mfe2 (MAR00974) [p]
Mcad (MAR00923) [m]
Cyt−b5−r (MAR00149) [c]
Mcad (MAR00869) [m]
Mcad (MAR00776) [m]
Mcad (MAR00757) [m]
Cyt−b5−r (MAR00186) [c]
Men ; Men−b (MAR04087) [m]
ACOX1 ; Mfe2 (MAR01005) [p]
No gene (MAR03396) [m]
CG7461 ; Echs1 (MAR03432) [m]
Mtpa ; scu (MAR03246) [m]
Mtpa ; scu (MAR03242) [m]
Cyt−b5−r (MAR00150) [c]
Aldh−III (MAR04683) [c]
Aldh ; Aldh−III (MAR08506) [m]
Cyt−b5−r (MAR00152) [c]
Mcad (MAR00818) [m]
Desat1 (MAR00144) [c]
CG5946 (MAR03992) [c]
No gene (MAR06782) [c]
Mcad (MAR00772) [m]
Cyt−b5−r (MAR00181) [c]
CG8665 (MAR08758) [c]
Desat1 (MAR00146) [c]
CG8888 (MAR04461) [m]
CG5955 (MAR20001) [m]
CG7430 ; Pdha (MAR04137) [m]
CG7461 ; Echs1 (MAR03430) [m]

−2.5
0.0
2.5
5.0

$\log_2(\overline{X}_{HSD}/\overline{X}_{NSD})$

log10(|Flux diff.| + 1)
0
1
2

−log10(p_adj)
20
15
10
5
0