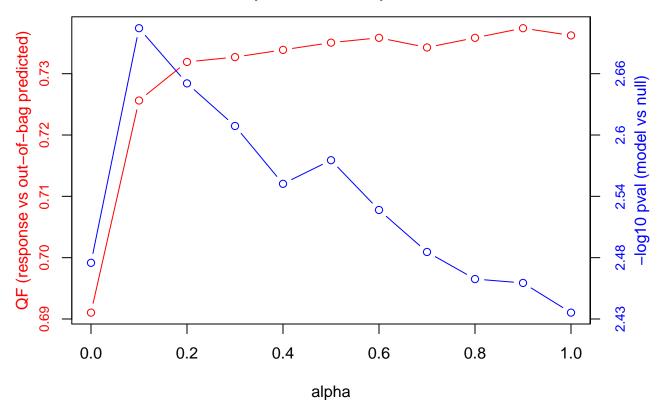
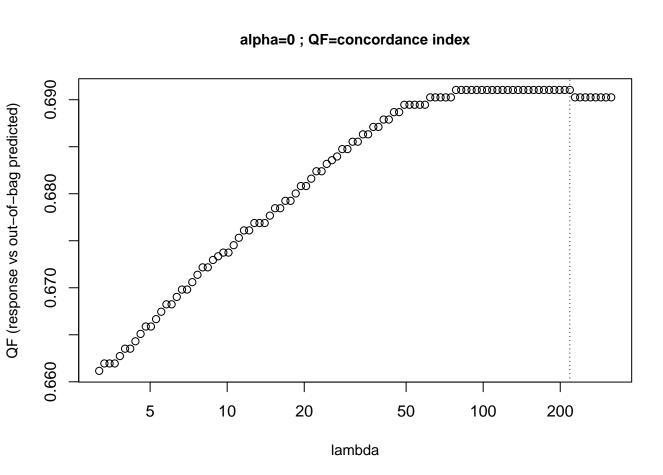
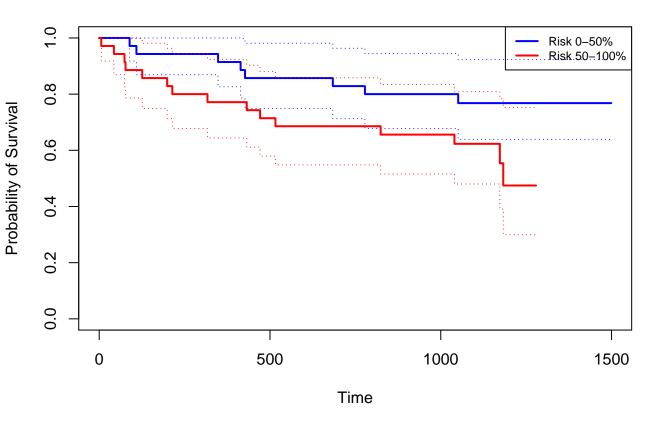
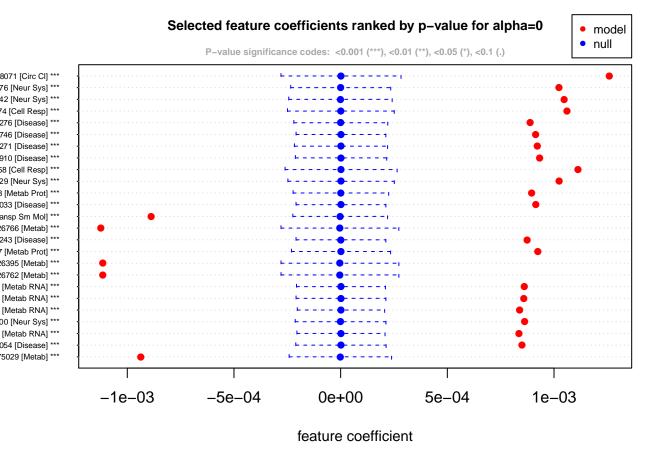
# model performance vs alpha values

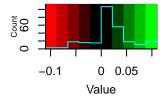






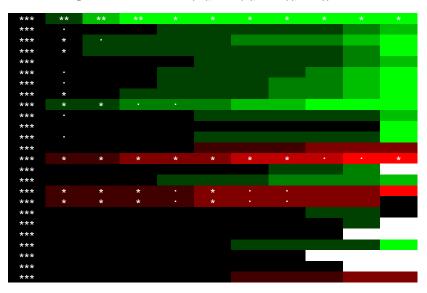






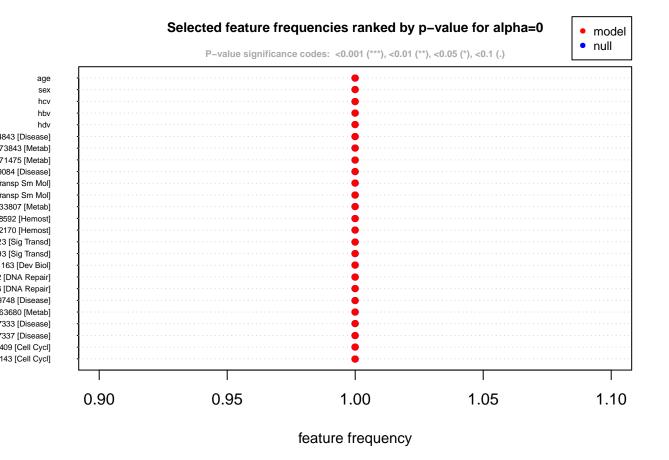
### Features ranked by p-value for alpha=0

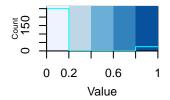
P-value significance codes: <0.001 (\*\*\*), <0.01 (\*\*), <0.05 (\*), <0.1 (.)



1368071 [Circ CI] 212676 [Neur Sys] 264642 [Neur Sys] 1234174 [Cell Resp] 168276 [Disease] 180746 [Disease] 168271 [Disease] 180910 [Disease] 1234158 [Cell Resp] 181429 [Neur Sys] 389958 [Metab Prot] 176033 [Disease] 432030 [Transp Sm M 9026766 [Metab] 177243 [Disease] 389957 [Metab Prot] 9026395 [Metab] 9026762 [Metab] 159231 [Metab RNA] 159227 [Metab RNA] 159234 [Metab RNA] 210500 [Neur Sys] 159230 [Metab RNA] 165054 [Disease]

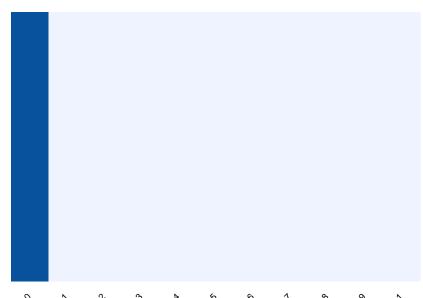
1475029 [Metab]





### Features ranked by p-value for alpha=0

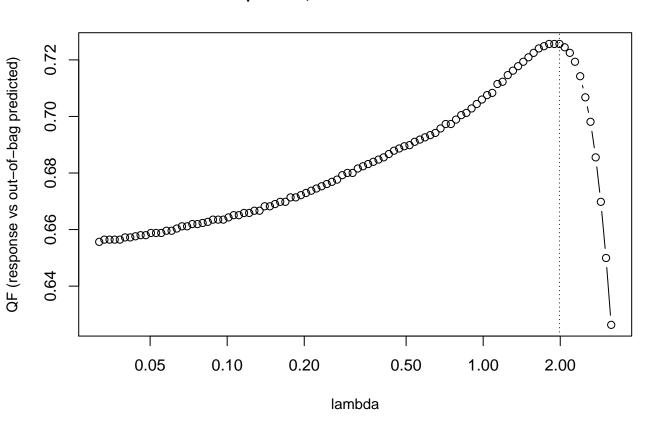
P-value significance codes: <0.001 (\*\*\*), <0.01 (\*\*), <0.05 (\*), <0.1 (.)



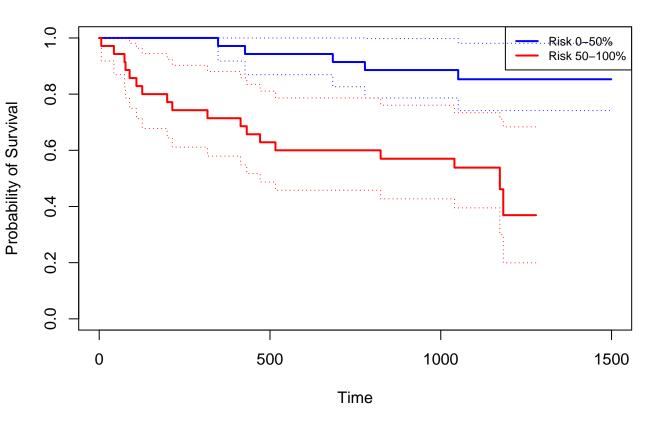
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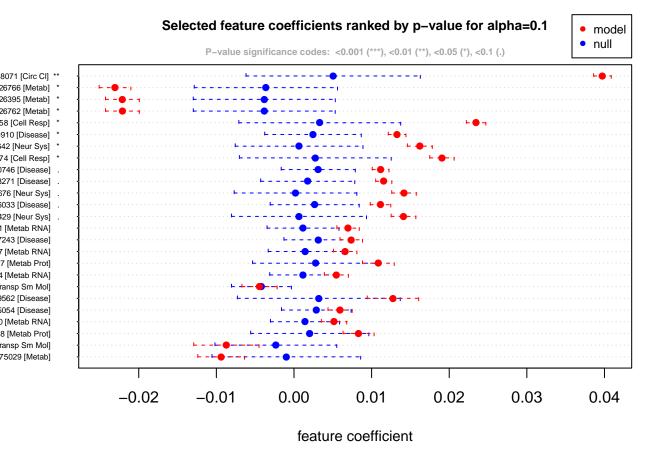
age sex hcv hbv hdv 164843 [Disease] 73843 [Metab] 1971475 [Metab] 5619084 [Disease] 1369062 [Transp Sm 382556 [Transp Sm N 9033807 [Metab] 418592 [Hemost] 392170 [Hemost] 198323 [Sig Transd] 198693 [Sig Transd] 211163 [Dev Biol] 112122 [DNA Repair] 112126 [DNA Repair] 4839748 [Disease] 163680 [Metab] 5467333 [Disease] 5467337 [Disease] 179409 [Cell Cycl] 174143 [Cell Cycl]

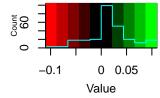
alpha=0.1; QF=concordance index



alpha=0.1

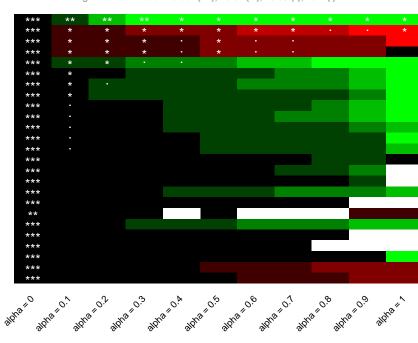




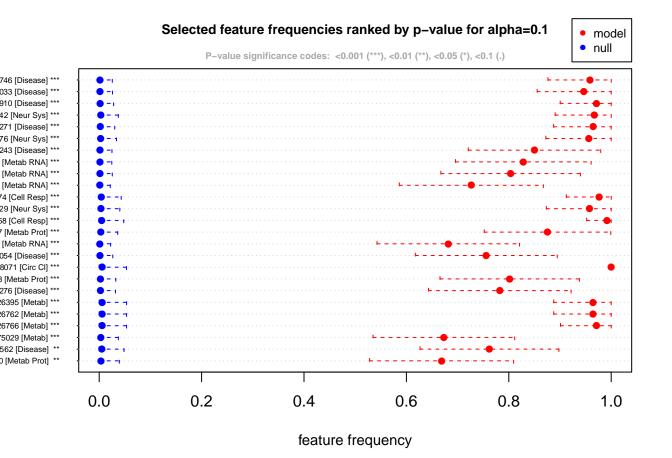


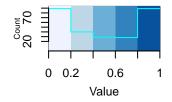
#### Features ranked by p-value for alpha=0.1

P-value significance codes: <0.001 (\*\*\*), <0.01 (\*\*), <0.05 (\*), <0.1 (.)



1368071 [Circ CI] 9026766 [Metab] 9026395 [Metab] 9026762 [Metab] 1234158 [Cell Resp] 180910 [Disease] 264642 [Neur Sys] 1234174 [Cell Resp] 180746 [Disease] 168271 [Disease] 212676 [Neur Sys] 176033 [Disease] 181429 [Neur Sys] 159231 [Metab RNA] 177243 [Disease] 159227 [Metab RNA] 389957 [Metab Prot] 159234 [Metab RNA] 1369062 [Transp Sm 5339562 [Disease] 165054 [Disease] 159230 [Metab RNA] 389958 [Metab Prot] 432030 [Transp Sm N 1475029 [Metab]





### Features ranked by p-value for alpha=0.1

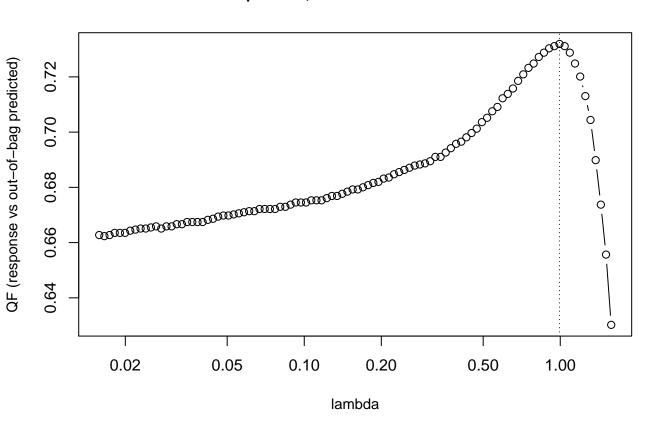
P-value significance codes: <0.001 (\*\*\*), <0.01 (\*\*), <0.05 (\*), <0.1 (.)

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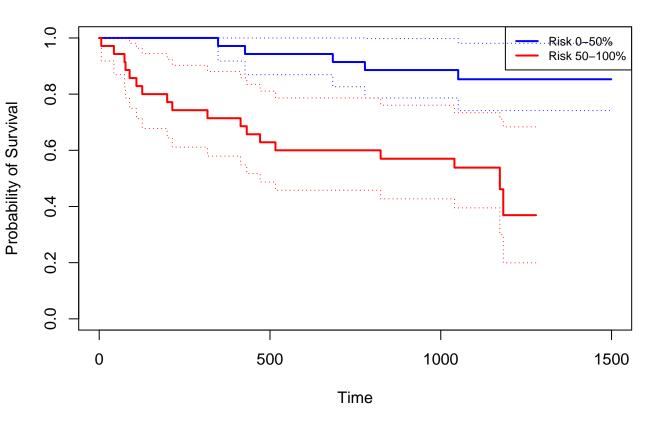
180746 [Disease] 176033 [Disease] 180910 [Disease] 264642 [Neur Sys] 168271 [Disease] 212676 [Neur Sys] 177243 [Disease] 159231 [Metab RNA] 159227 [Metab RNA] 159234 [Metab RNA] 1234174 [Cell Resp] 181429 [Neur Sys] 1234158 [Cell Resp] 389957 [Metab Prot] 159230 [Metab RNA] 165054 [Disease] 1368071 [Circ CI] 389958 [Metab Prot] 168276 [Disease] 9026395 [Metab] 9026762 [Metab] 9026766 [Metab] 1475029 [Metab] 5339562 [Disease]

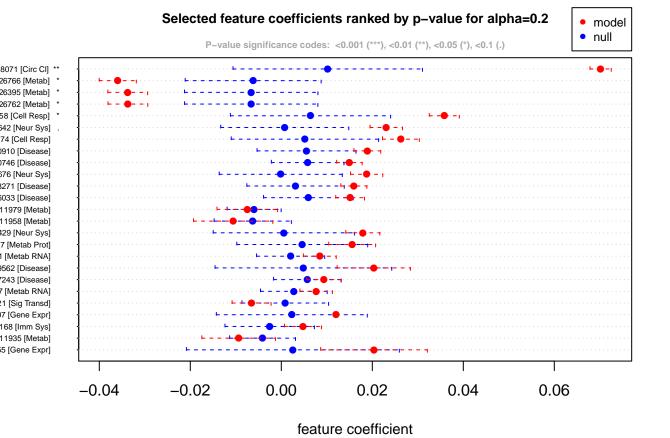
389960 [Metab Prot]

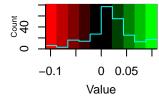
alpha=0.2; QF=concordance index



alpha=0.2

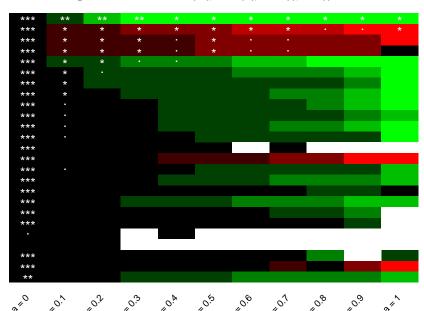




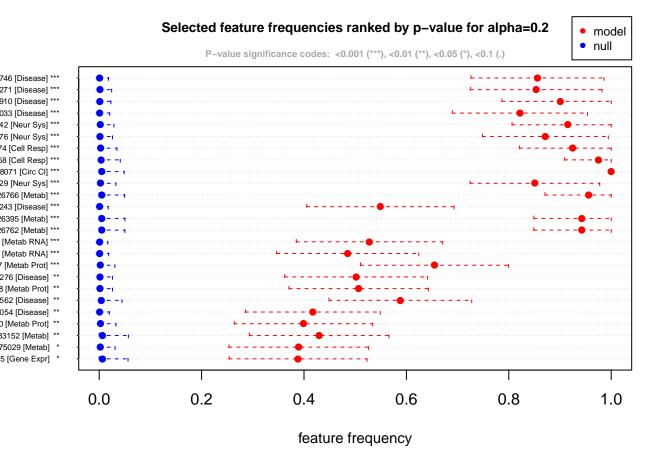


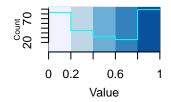
### Features ranked by p-value for alpha=0.2

P-value significance codes: <0.001 (\*\*\*), <0.01 (\*\*), <0.05 (\*), <0.1 (.)



1368071 [Circ CI] 9026766 [Metab] 9026395 [Metab] 9026762 [Metab] 1234158 [Cell Resp] 264642 [Neur Sys] 1234174 [Cell Resp] 180910 [Disease] 180746 [Disease] 212676 [Neur Sys] 168271 [Disease] 176033 [Disease] 211979 [Metab] 211958 [Metab] 181429 [Neur Sys] 389957 [Metab Prot] 159231 [Metab RNA] 5339562 [Disease] 177243 [Disease] 159227 [Metab RNA] 167021 [Sig Transd] 8866907 [Gene Expr 983168 [Imm Sys] 211935 [Metab] 6811555 [Gene Expr





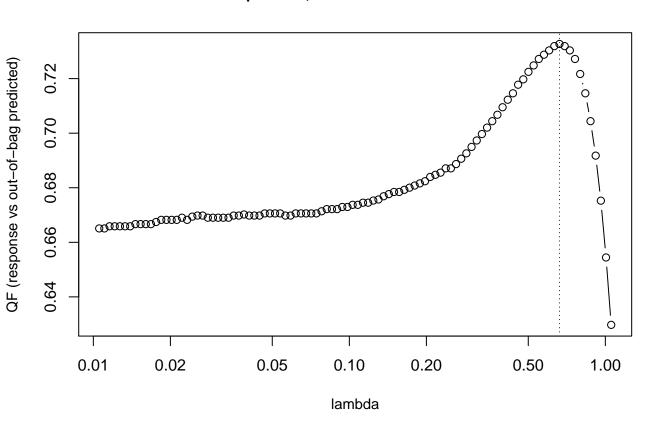
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P-value significance codes: <0.001 (\*\*\*), <0.01 (\*\*), <0.05 (\*), <0.1 (.)

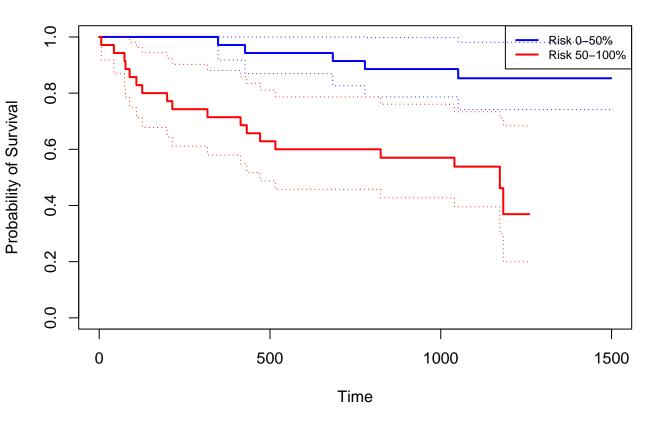
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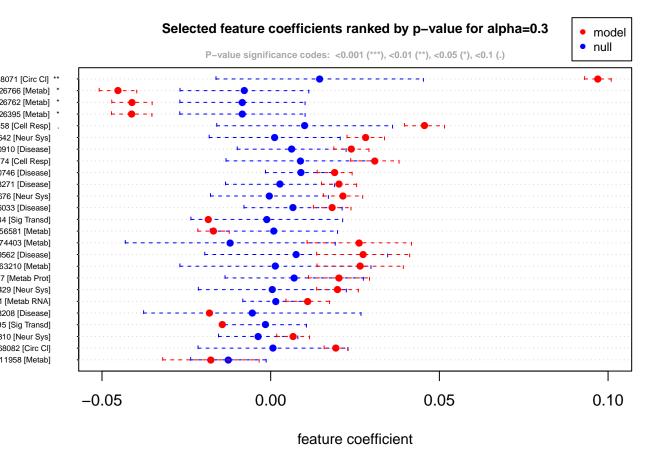
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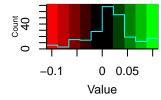
alpha=0.3; QF=concordance index



alpha=0.3

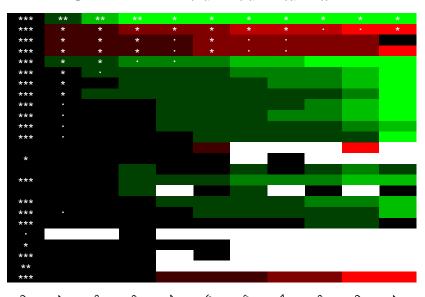




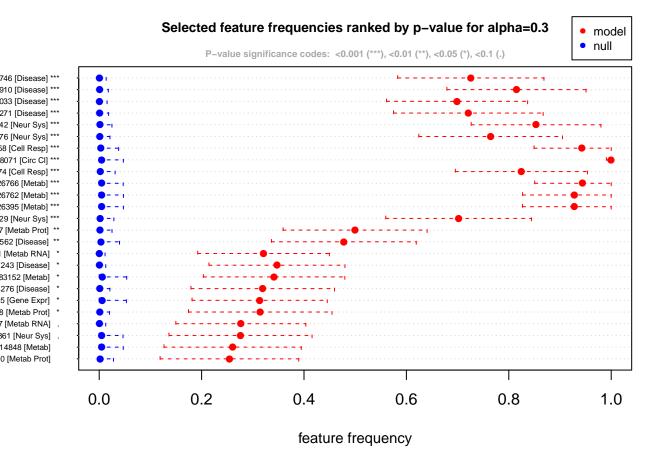


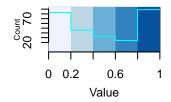
### Features ranked by p-value for alpha=0.3

P-value significance codes: <0.001 (\*\*\*), <0.01 (\*\*), <0.05 (\*), <0.1 (.)



1368071 [Circ CI] 9026766 [Metab] 9026762 [Metab] 9026395 [Metab] 1234158 [Cell Resp] 264642 [Neur Sys] 180910 [Disease] 1234174 [Cell Resp] 180746 [Disease] 168271 [Disease] 212676 [Neur Sys] 176033 [Disease] 193634 [Sig Transd] 156581 [Metab] 174403 [Metab] 5339562 [Disease] 163210 [Metab] 389957 [Metab Prot] 181429 [Neur Sys] 159231 [Metab RNA] 5658208 [Disease] 8863795 [Sig Transd] 112310 [Neur Sys] 1368082 [Circ CI] 211958 [Metab]





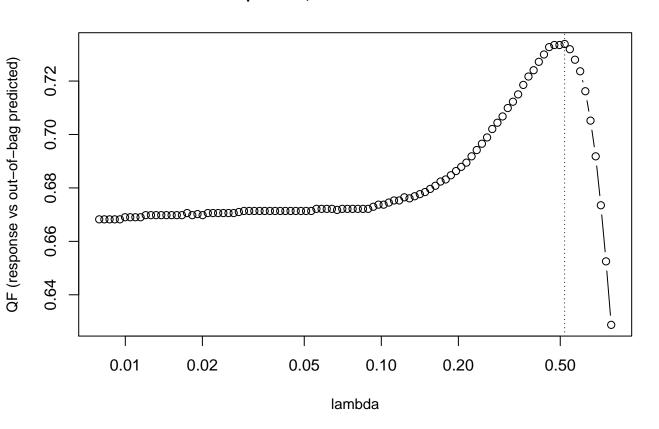
#### Features ranked by p-value for alpha=0.3

P-value significance codes: <0.001 (\*\*\*), <0.01 (\*\*), <0.05 (\*), <0.1 (.)

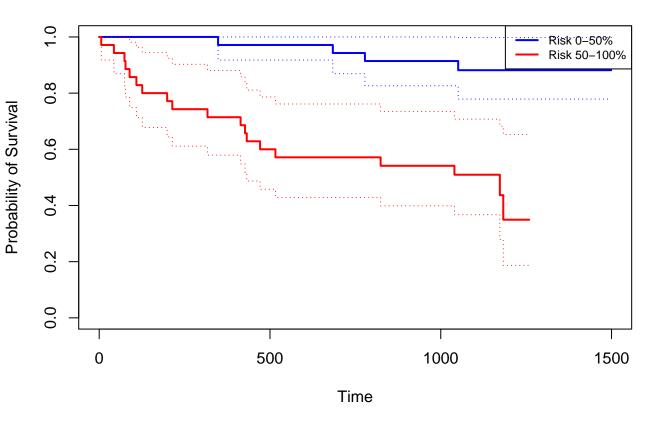
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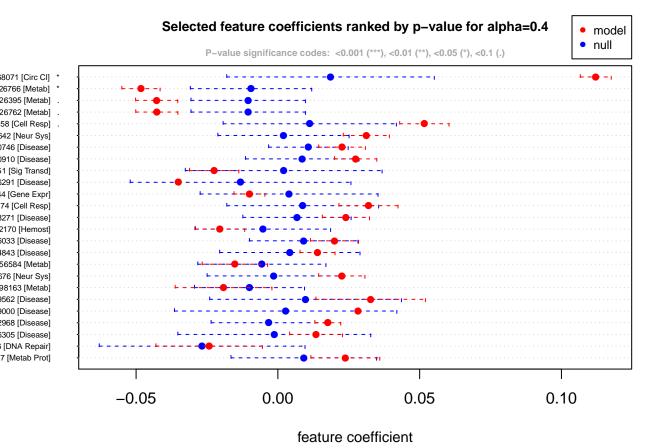
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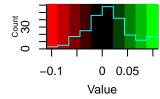
alpha=0.4; QF=concordance index



alpha=0.4

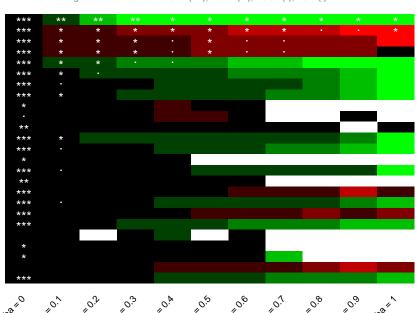




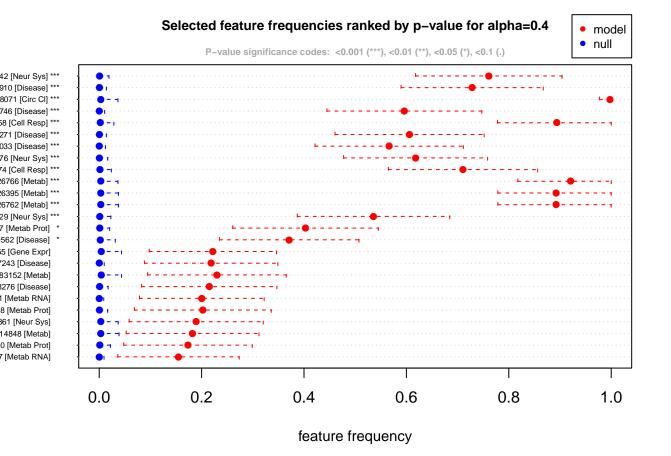


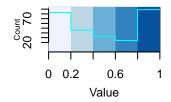
#### Features ranked by p-value for alpha=0.4

P-value significance codes: <0.001 (\*\*\*), <0.01 (\*\*), <0.05 (\*), <0.1 (.)



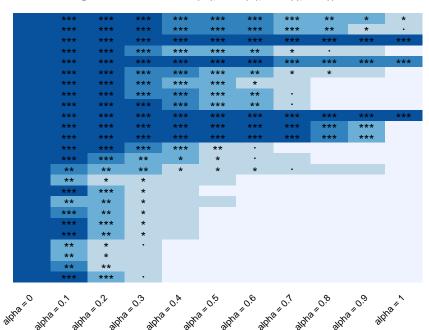
1368071 [Circ CI] 9026766 [Metab] 9026395 [Metab] 9026762 [Metab] 1234158 [Cell Resp] 264642 [Neur Sys] 180746 [Disease] 180910 [Disease] 390651 [Sig Transd] 2206291 [Disease] 8986944 [Gene Expr 1234174 [Cell Resp] 168271 [Disease] 392170 [Hemost] 176033 [Disease] 164843 [Disease] 156584 [Metab] 212676 [Neur Sys] 6798163 [Metab] 5339562 [Disease] 5579000 [Disease] 5632968 [Disease] 2206305 [Disease] 112126 [DNA Repair] 389957 [Metab Prot]





#### Features ranked by p-value for alpha=0.4

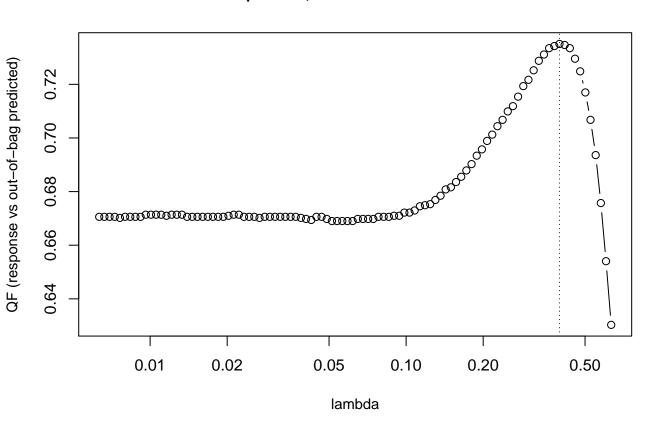
P-value significance codes: <0.001 (\*\*\*), <0.01 (\*\*), <0.05 (\*), <0.1 (.)



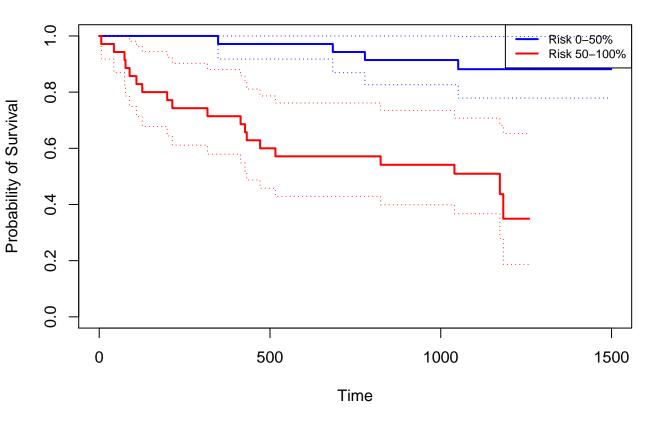
180910 [Disease] 1368071 [Circ CI] 180746 [Disease] 1234158 [Cell Resp] 168271 [Disease] 176033 [Disease] 212676 [Neur Sys] 1234174 [Cell Resp] 9026766 [Metab] 9026395 [Metab] 9026762 [Metab] 181429 [Neur Sys] 389957 [Metab Prot] 5339562 [Disease] 6811555 [Gene Expr 177243 [Disease] 1483152 [Metab] 168276 [Disease] 159231 [Metab RNA] 389958 [Metab Prot] 1299361 [Neur Sys] 6814848 [Metab] 389960 [Metab Prot] 159227 [Metab RNA]

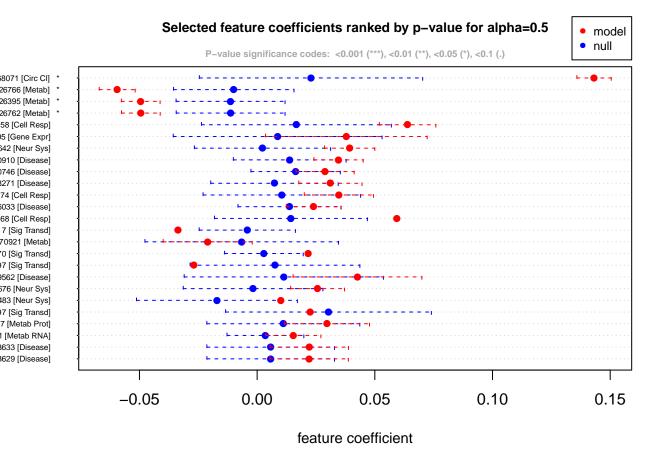
264642 [Neur Sys]

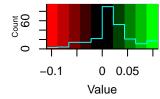
alpha=0.5; QF=concordance index



alpha=0.5

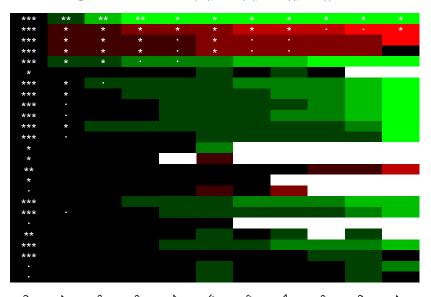




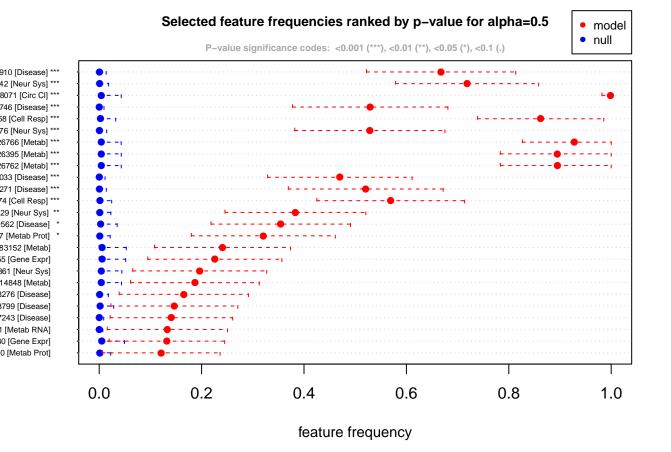


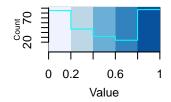
#### Features ranked by p-value for alpha=0.5

P-value significance codes: <0.001 (\*\*\*), <0.01 (\*\*), <0.05 (\*), <0.1 (.)



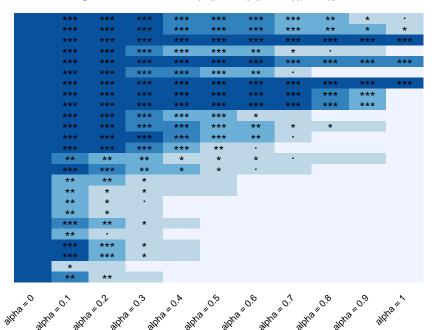
1368071 [Circ CI] 9026766 [Metab] 9026395 [Metab] 9026762 [Metab] 1234158 [Cell Resp] 6803205 [Gene Expr 264642 [Neur Sys] 180910 [Disease] 180746 [Disease] 168271 [Disease] 1234174 [Cell Resp] 176033 [Disease] 3371568 [Cell Resp] 418217 [Sig Transd] 70921 [Metab] 193670 [Sig Transd] 193697 [Sig Transd] 5339562 [Disease] 212676 [Neur Sys] 9619483 [Neur Sys] 389397 [Sig Transd] 389957 [Metab Prot] 159231 [Metab RNA] 5083633 [Disease] 5083629 [Disease]





#### Features ranked by p-value for alpha=0.5

P-value significance codes: <0.001 (\*\*\*), <0.01 (\*\*), <0.05 (\*), <0.1 (.)



1234158 [Cell Resp] 212676 [Neur Sys] 9026766 [Metab] 9026395 [Metab] 9026762 [Metab] 176033 [Disease] 168271 [Disease] 1234174 [Cell Resp] 181429 [Neur Sys] 5339562 [Disease] 389957 [Metab Prot] 1483152 [Metab] 6811555 [Gene Expr 1299361 [Neur Sys] 6814848 [Metab] 168276 [Disease] 168799 [Disease] 177243 [Disease] 159231 [Metab RNA] 5221030 [Gene Expr

389960 [Metab Prot]

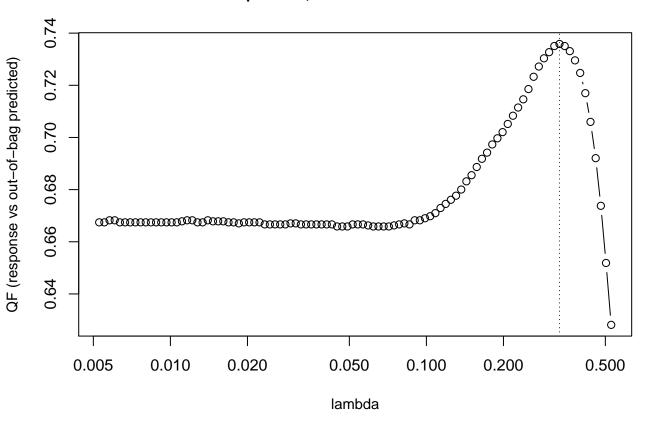
180910 [Disease]

264642 [Neur Svs]

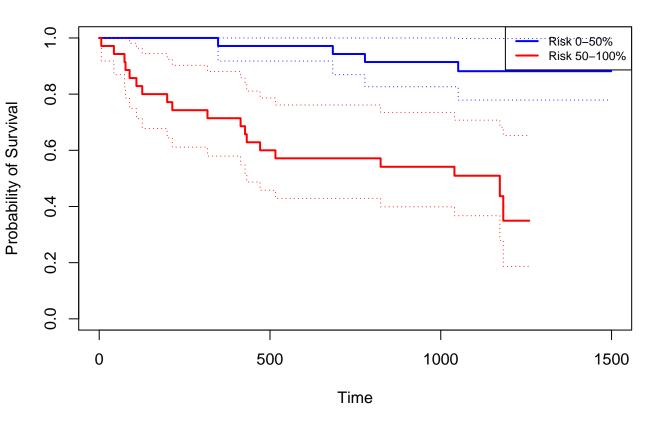
1368071 [Circ CI]

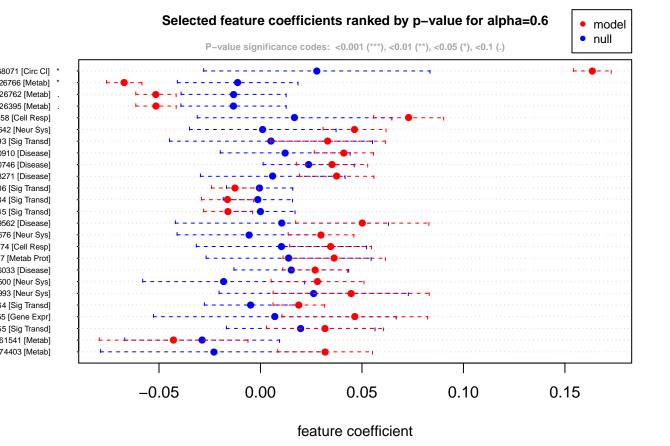
180746 [Disease]

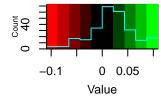
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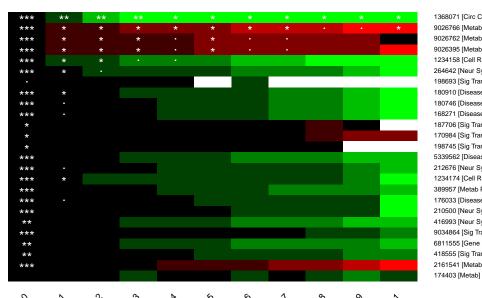




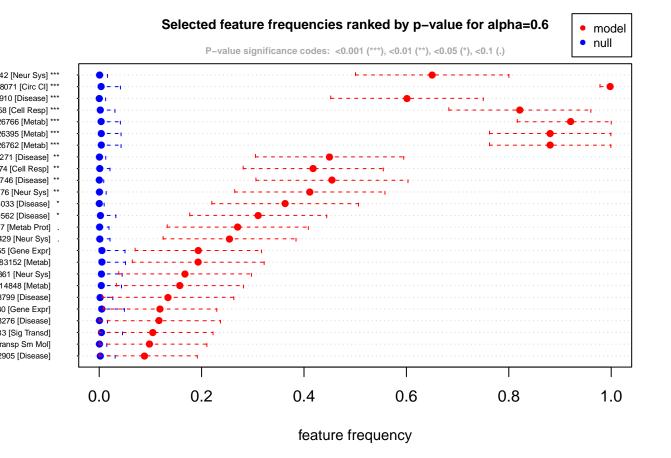


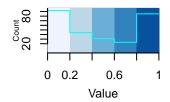
### Features ranked by p-value for alpha=0.6

P-value significance codes: <0.001 (\*\*\*), <0.01 (\*\*), <0.05 (\*), <0.1 (.)



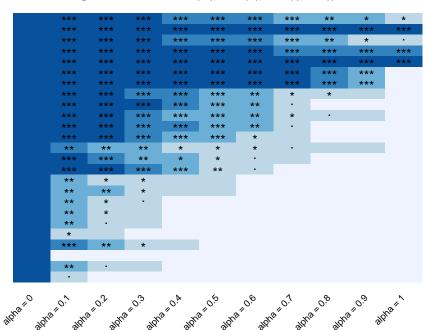
1368071 [Circ CI] 9026766 [Metab] 9026762 [Metab] 9026395 [Metab] 1234158 [Cell Resp] 264642 [Neur Sys] 198693 [Sig Transd] 180910 [Disease] 180746 [Disease] 168271 [Disease] 187706 [Sig Transd] 170984 [Sig Transd] 198745 [Sig Transd] 5339562 [Disease] 212676 [Neur Sys] 1234174 [Cell Resp] 389957 [Metab Prot] 176033 [Disease] 210500 [Neur Sys] 416993 [Neur Sys] 9034864 [Sig Transd] 6811555 [Gene Expr 418555 [Sig Transd] 2161541 [Metab]





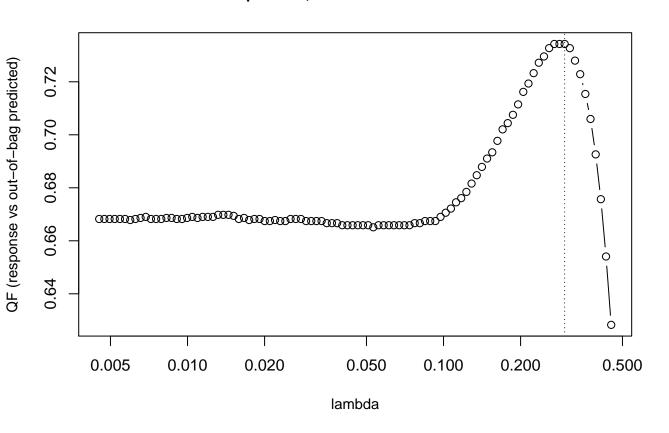
#### Features ranked by p-value for alpha=0.6

P-value significance codes: <0.001 (\*\*\*), <0.01 (\*\*), <0.05 (\*), <0.1 (.)

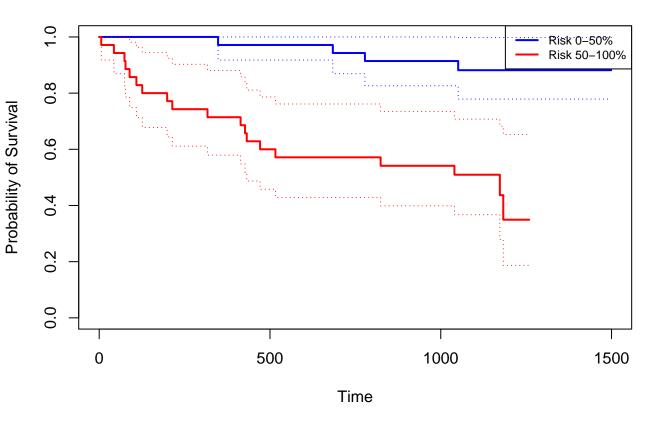


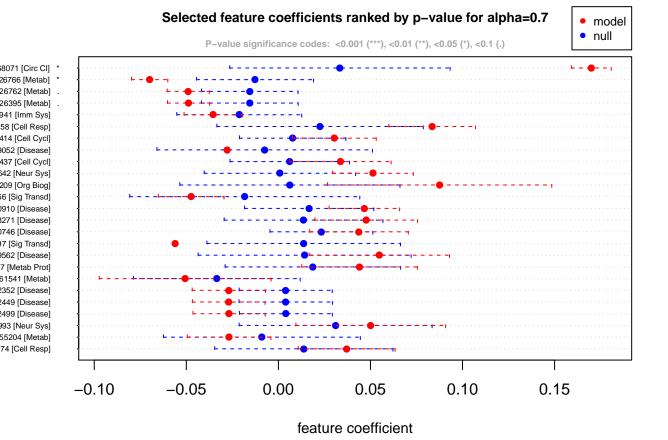
264642 [Neur Sys] 1368071 [Circ CI] 180910 [Disease] 1234158 [Cell Resp] 9026766 [Metab] 9026395 [Metab] 9026762 [Metab] 168271 [Disease] 1234174 [Cell Resp] 180746 [Disease] 212676 [Neur Sys] 176033 [Disease] 5339562 [Disease] 389957 [Metab Prot] 181429 [Neur Sys] 6811555 [Gene Expr 1483152 [Metab] 1299361 [Neur Sys] 6814848 [Metab] 168799 [Disease] 5221030 [Gene Expr 168276 [Disease] 5627083 [Sig Transd] 432030 [Transp Sm N 192905 [Disease]

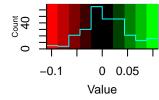
alpha=0.7; QF=concordance index



alpha=0.7

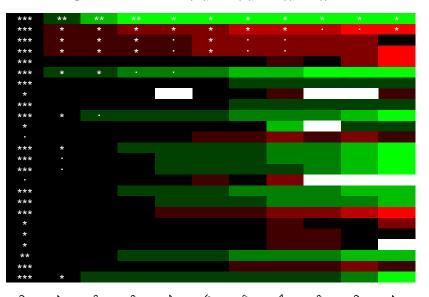






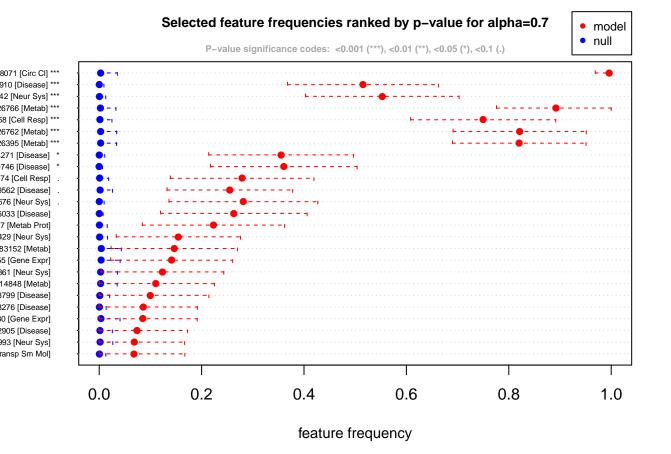
### Features ranked by p-value for alpha=0.7

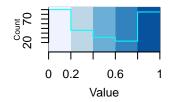
P-value significance codes: <0.001 (\*\*\*), <0.01 (\*\*), <0.05 (\*), <0.1 (.)



1368071 [Circ CI] 9026766 [Metab] 9026762 [Metab] 9026395 [Metab] 1834941 [Imm Sys] 1234158 [Cell Resp] 174414 [Cell Cycl] 5619052 [Disease] 174437 [Cell Cycl] 264642 [Neur Sys] 2151209 [Org Biog] 390666 [Sig Transd] 180910 [Disease] 168271 [Disease] 180746 [Disease] 193697 [Sig Transd] 5339562 [Disease] 389957 [Metab Prot] 2161541 [Metab] 1222352 [Disease] 1222449 [Disease] 1222499 [Disease] 416993 [Neur Sys] 1855204 [Metab]

1234174 [Cell Resp]





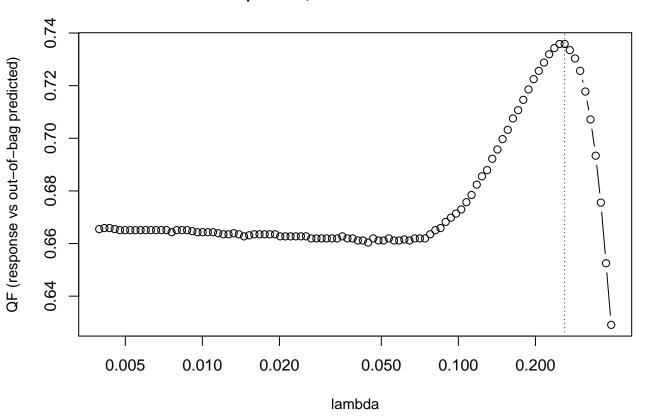
### Features ranked by p-value for alpha=0.7

P-value significance codes: <0.001 (\*\*\*), <0.01 (\*\*), <0.05 (\*), <0.1 (.)

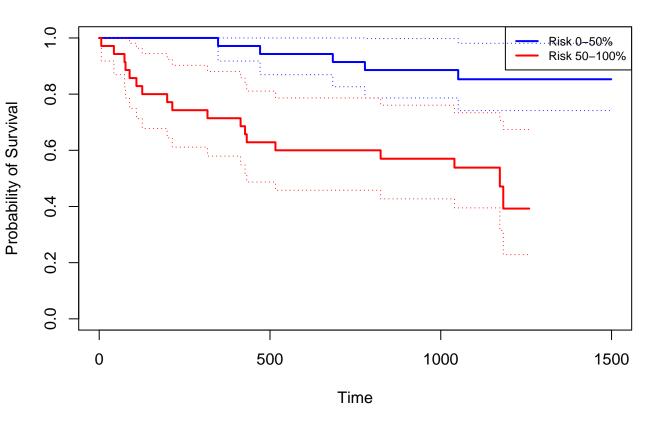
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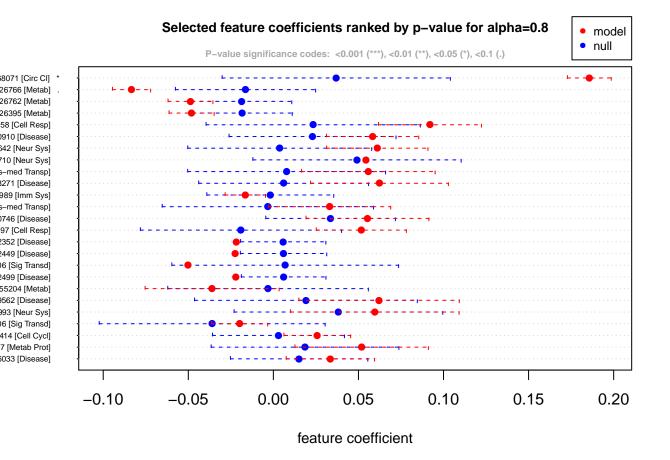
1368071 [Circ CI] 180910 [Disease] 264642 [Neur Sys] 9026766 [Metab] 1234158 [Cell Resp] 9026762 [Metab] 9026395 [Metab] 168271 [Disease] 180746 [Disease] 1234174 [Cell Resp] 5339562 [Disease] 212676 [Neur Sys] 176033 [Disease] 389957 [Metab Prot] 181429 [Neur Sys] 1483152 [Metab] 6811555 [Gene Expr 1299361 [Neur Sys] 6814848 [Metab] 168799 [Disease] 168276 [Disease] 5221030 [Gene Expr 192905 [Disease] 416993 [Neur Sys] 432030 [Transp Sm N

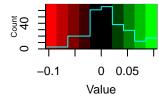
alpha=0.8; QF=concordance index



alpha=0.8

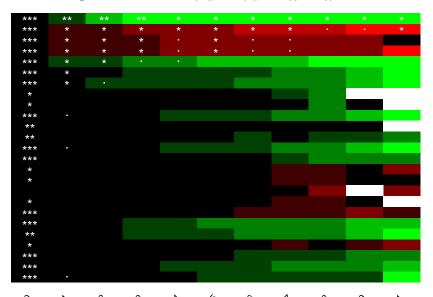






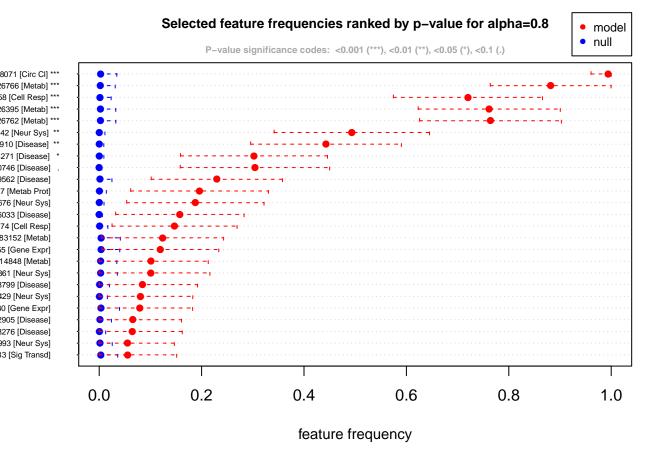
#### Features ranked by p-value for alpha=0.8

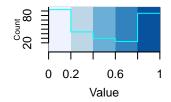
P-value significance codes: <0.001 (\*\*\*), <0.01 (\*\*), <0.05 (\*), <0.1 (.)



1368071 [Circ CI] 9026766 [Metab] 9026762 [Metab] 9026395 [Metab] 1234158 [Cell Resp] 180910 [Disease] 264642 [Neur Sys] 399710 [Neur Sys] 432722 [Ves-med Tra 168271 [Disease] 445989 [Imm Sys] 199992 [Ves-med Tra 180746 [Disease] 8953897 [Cell Resp] 1222352 [Disease] 1222449 [Disease] 194306 [Sig Transd] 1222499 [Disease] 1855204 [Metab] 5339562 [Disease] 416993 [Neur Sys] 391906 [Sig Transd] 174414 [Cell Cycl] 389957 [Metab Prot]

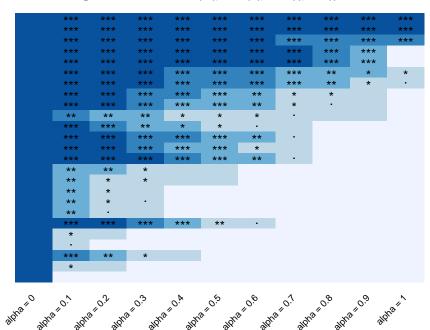
176033 [Disease]





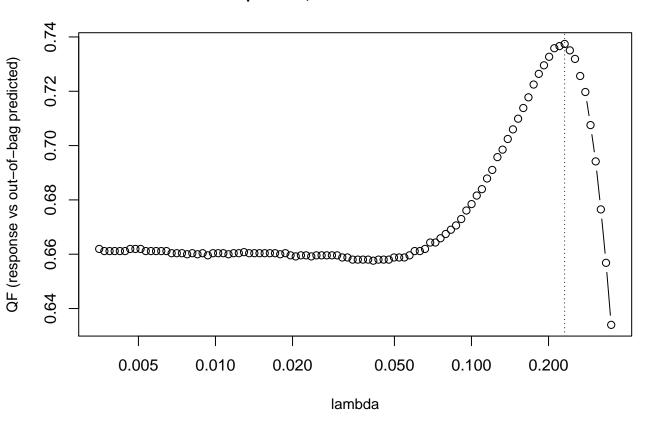
#### Features ranked by p-value for alpha=0.8

P-value significance codes: <0.001 (\*\*\*), <0.01 (\*\*), <0.05 (\*), <0.1 (.)

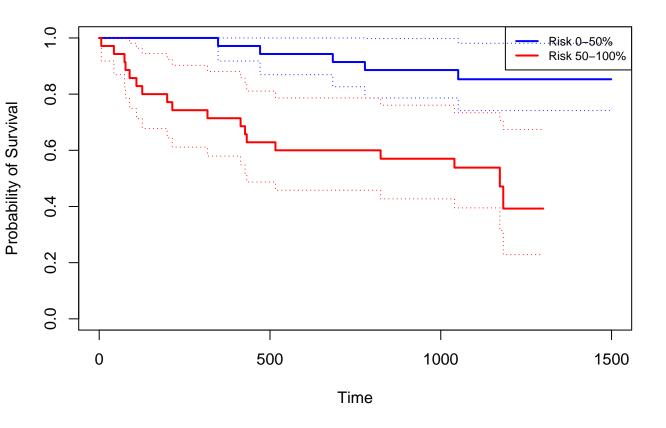


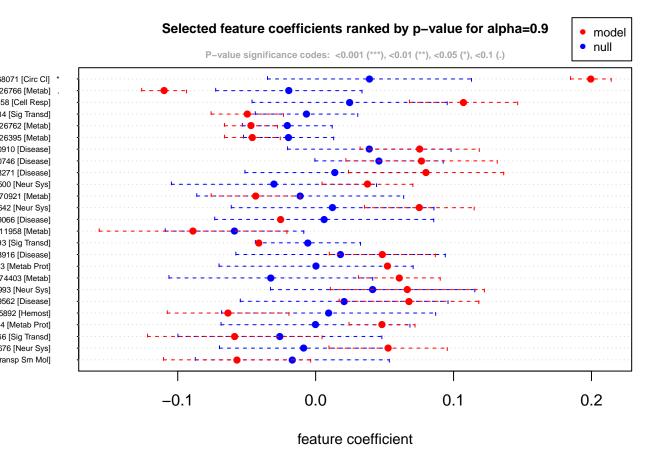
1368071 [Circ CI] 9026766 [Metab] 1234158 [Cell Resp] 9026395 [Metab] 9026762 [Metab] 264642 [Neur Sys] 180910 [Disease] 168271 [Disease] 180746 [Disease] 5339562 [Disease] 389957 [Metab Prot] 212676 [Neur Sys] 176033 [Disease] 1234174 [Cell Resp] 1483152 [Metab] 6811555 [Gene Expr 6814848 [Metab] 1299361 [Neur Sys] 168799 [Disease] 181429 [Neur Sys] 5221030 [Gene Expr 192905 [Disease] 168276 [Disease] 416993 [Neur Sys] 5627083 [Sig Transd]

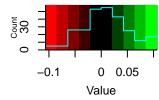
alpha=0.9; QF=concordance index



alpha=0.9







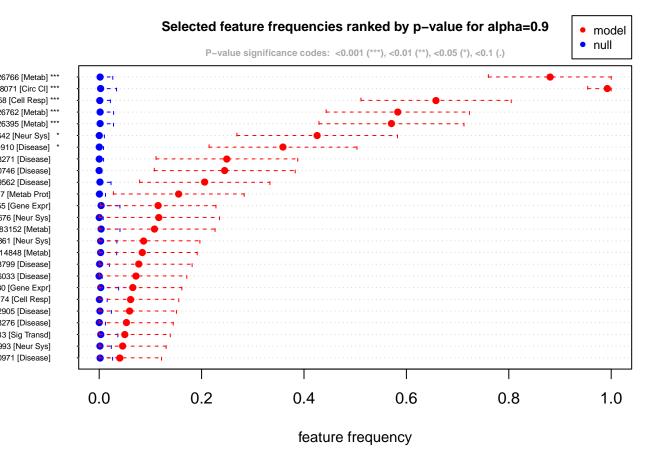
### Features ranked by p-value for alpha=0.9

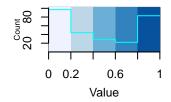
P-value significance codes: <0.001 (\*\*\*), <0.01 (\*\*), <0.05 (\*), <0.1 (.)



1368071 [Circ CI] 9026766 [Metab] 1234158 [Cell Resp] 170984 [Sig Transd] 9026762 [Metab] 9026395 [Metab] 180910 [Disease] 180746 [Disease] 168271 [Disease] 210500 [Neur Sys] 70921 [Metab] 264642 [Neur Sys] 5619066 [Disease] 211958 [Metab] 169893 [Sig Transd] 4043916 [Disease] 381033 [Metab Prot] 174403 [Metab] 416993 [Neur Sys] 5339562 [Disease] 75892 [Hemost] 4570464 [Metab Prot 390666 [Sig Transd] 212676 [Neur Sys]

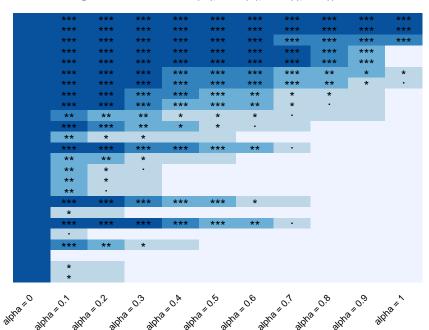
432030 [Transp Sm N





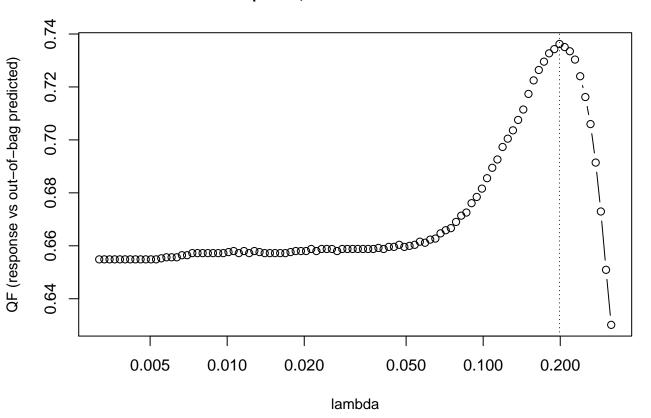
#### Features ranked by p-value for alpha=0.9

P-value significance codes: <0.001 (\*\*\*), <0.01 (\*\*), <0.05 (\*), <0.1 (.)

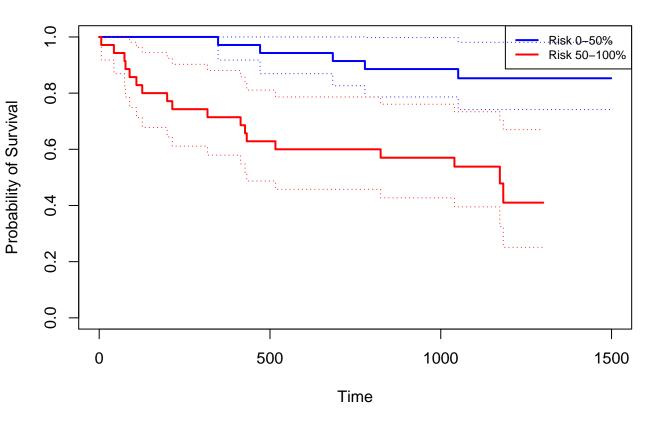


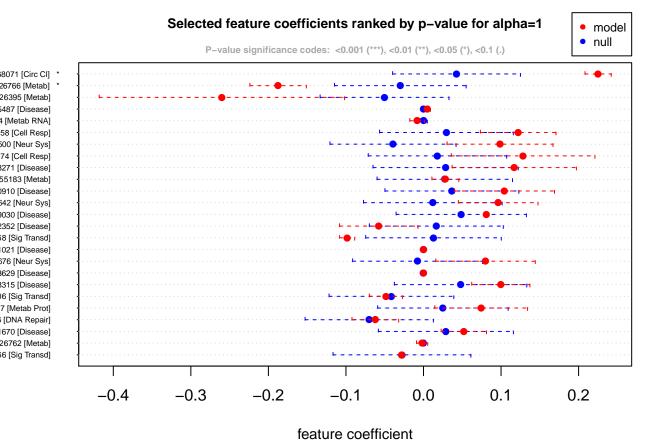
9026766 [Metab] 1368071 [Circ CI] 1234158 [Cell Resp] 9026762 [Metab] 9026395 [Metab] 264642 [Neur Sys] 180910 [Disease] 168271 [Disease] 180746 [Disease] 5339562 [Disease] 389957 [Metab Prot] 6811555 [Gene Expr 212676 [Neur Sys] 1483152 [Metab] 1299361 [Neur Svs] 6814848 [Metab] 168799 [Disease] 176033 [Disease] 5221030 [Gene Expr 1234174 [Cell Resp] 192905 [Disease] 168276 [Disease] 5627083 [Sig Transd] 416993 [Neur Sys] 5250971 [Disease]

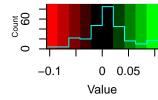
alpha=1; QF=concordance index





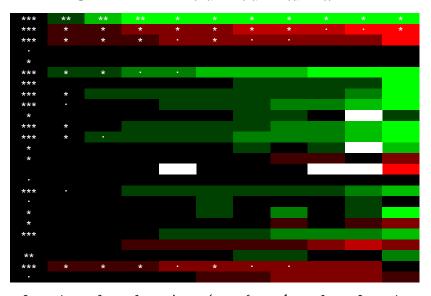




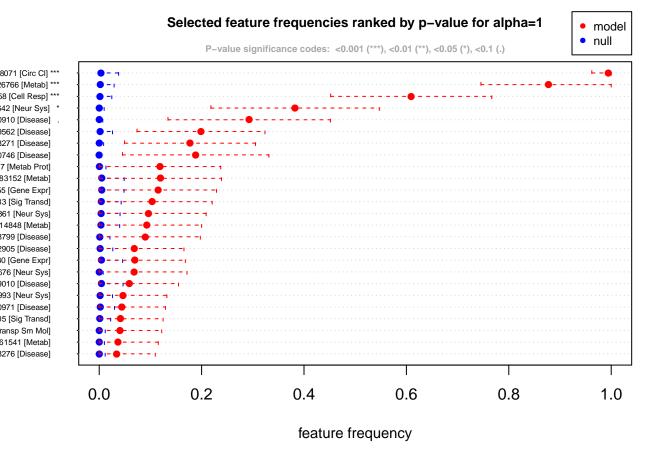


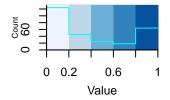
### Features ranked by p-value for alpha=1

P-value significance codes: <0.001 (\*\*\*), <0.01 (\*\*), <0.05 (\*), <0.1 (.)



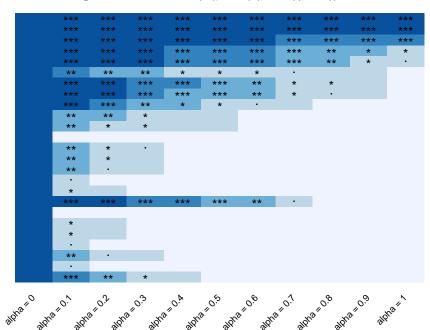
1368071 [Circ CI] 9026766 [Metab] 9026395 [Metab] 3315487 [Disease] 75064 [Metab RNA] 1234158 [Cell Resp] 210500 [Neur Sys] 1234174 [Cell Resp] 168271 [Disease] 1855183 [Metab] 180910 [Disease] 264642 [Neur Sys] 5579030 [Disease] 1222352 [Disease] 8849468 [Sig Transd] 3311021 [Disease] 212676 [Neur Sys] 5083629 [Disease] 168315 [Disease] 391906 [Sig Transd] 389957 [Metab Prot] 112126 [DNA Repair] 4341670 [Disease] 9026762 [Metab] 390666 [Sig Transd]





#### Features ranked by p-value for alpha=1

P-value significance codes: <0.001 (\*\*\*), <0.01 (\*\*), <0.05 (\*), <0.1 (.)



1368071 [Circ CI] 9026766 [Metab] 1234158 [Cell Resp] 264642 [Neur Sys] 180910 [Disease] 5339562 [Disease] 168271 [Disease] 180746 [Disease] 389957 [Metab Prot] 1483152 [Metab] 6811555 [Gene Expr 5627083 [Sig Transd] 1299361 [Neur Sys] 6814848 [Metab] 168799 [Disease] 192905 [Disease] 5221030 [Gene Expr 212676 [Neur Sys] 5579010 [Disease] 416993 [Neur Sys] 5250971 [Disease] 9603505 [Sig Transd] 432030 [Transp Sm N 2161541 [Metab] 168276 [Disease]