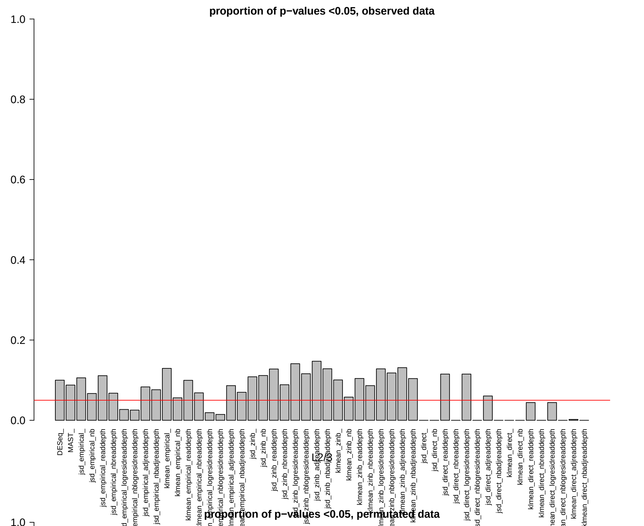
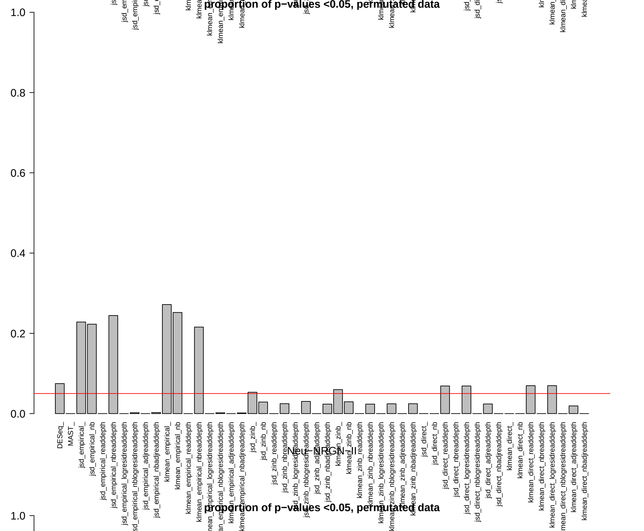
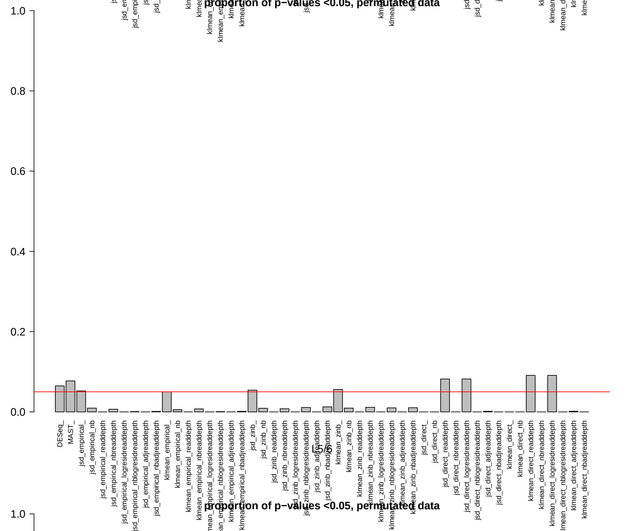
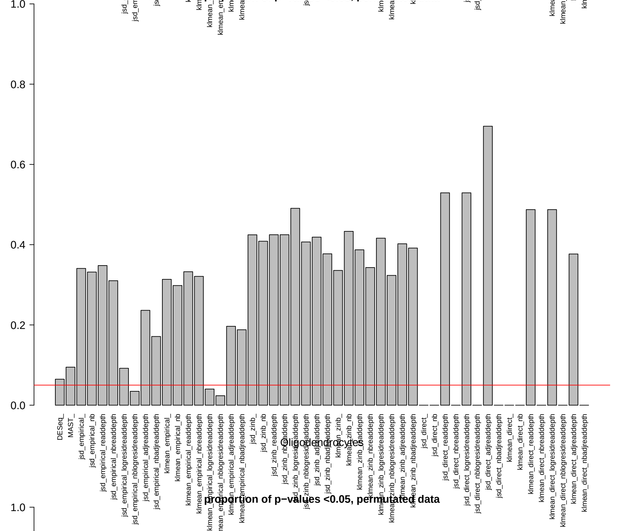
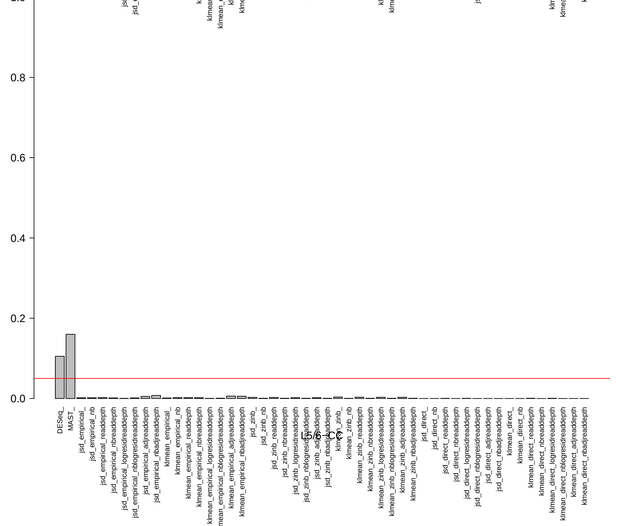

proportion of p−values <0.05, observed data
1.0
0.8
0.6
0.4
0.2
0.0
DESeq_
MAST_
MAST_
jsd_empirical
jsd_empirical_no
jsd_empirical_readdepth
jsd_empirical_rbdepth
jsd_empirical_rbdepthreaddepth
jsd_empirical_rbdepgreireaddepth
jsd_empirical_adjreaddepth
jsd_empirical_rbadjreaddepth
kmean_empirical_no
kmean_empirical_readdepth
kmean_empirical_rbdepth
kmean_empirical_rbdepthreaddepth
kmean_empirical_rbdepgreireaddepth
kmean_empirical_adjreaddepth
kmean_empirical_rbadjreaddepth
jsd_zinb_no
jsd_zinb_readdepth
jsd_zinb_rbdepth
jsd_zinb_rbdepthreaddepth
jsd_zinb_rbdepgreireaddepth
jsd_zinb_adjreaddepth
jsd_zinb_rbadjreaddepth
kmean_zinb_
kmean_zinb_no
kmean_zinb_readdepth
kmean_zinb_rbdepth
kmean_zinb_rbdepthreaddepth
kmean_zinb_rbdepgreireaddepth
kmean_zinb_adjreaddepth
kmean_zinb_rbadjreaddepth
jsd_direct_
jsd_direct_no
jsd_direct_readdepth
jsd_direct_rbdepth
jsd_direct_rbdepthreaddepth
jsd_direct_rbdepgreireaddepth
jsd_direct_adjreaddepth
jsd_direct_rbadjreaddepth
kmean_direct_
kmean_direct_no
kmean_direct_readdepth
kmean_direct_rbdepth
kmean_direct_rbdepthreaddepth
kmean_direct_rbdepgreireaddepth
kmean_direct_adjreaddepth
kmean_direct_rbadjreaddepth

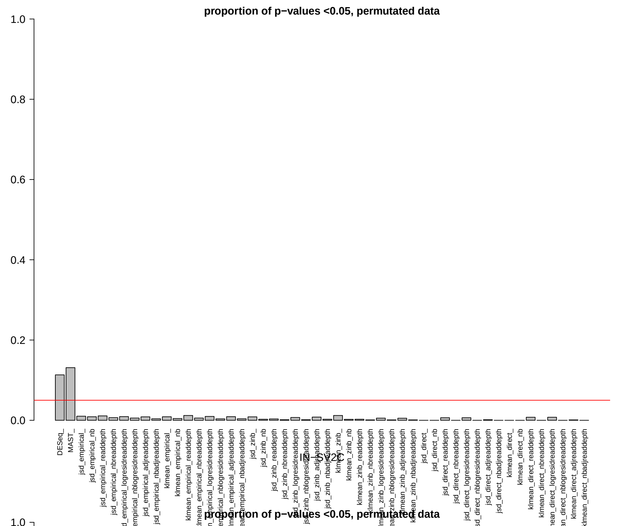

proportion of p−values <0.05, permutated data
1.0
0.8
0.6
0.4
0.2
0.0
1−5/8
DESeq_
MAST_
MAST_
jsd_empirical
jsd_empirical_no
jsd_empirical_readdepth
jsd_empirical_rbdepth
jsd_empirical_rbdepthreaddepth
jsd_empirical_rbdepgreireaddepth
jsd_empirical_adjreaddepth
jsd_empirical_rbadjreaddepth
kmean_empirical_no
kmean_empirical_readdepth
kmean_empirical_rbdepth
kmean_empirical_rbdepthreaddepth
kmean_empirical_rbdepgreireaddepth
kmean_empirical_adjreaddepth
kmean_empirical_rbadjreaddepth
jsd_zinb_no
jsd_zinb_readdepth
jsd_zinb_rbdepth
jsd_zinb_rbdepthreaddepth
jsd_zinb_rbdepgreireaddepth
jsd_zinb_adjreaddepth
jsd_zinb_rbadjreaddepth
kmean_zinb_
kmean_zinb_no
kmean_zinb_readdepth
kmean_zinb_rbdepth
kmean_zinb_rbdepthreaddepth
kmean_zinb_rbdepgreireaddepth
kmean_zinb_adjreaddepth
kmean_zinb_rbadjreaddepth
jsd_direct_
jsd_direct_no
jsd_direct_readdepth
jsd_direct_rbdepth
jsd_direct_rbdepthreaddepth
jsd_direct_rbdepgreireaddepth
jsd_direct_adjreaddepth
jsd_direct_rbadjreaddepth
kmean_direct_
kmean_direct_no
kmean_direct_readdepth
kmean_direct_rbdepth
kmean_direct_rbdepthreaddepth
kmean_direct_rbdepgreireaddepth
kmean_direct_adjreaddepth
kmean_direct_rbadjreaddepth

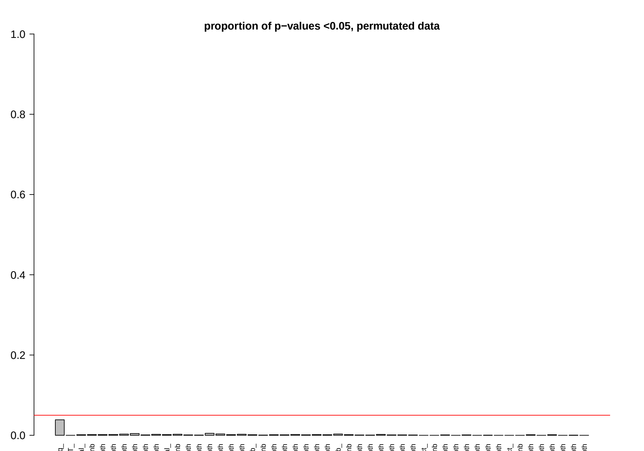

proportion of p−values <0.05, permutated data
1.0
0.8
0.6
0.4
0.2
0.0
Neu−NRCN−II
DESeq_
MAST_
MAST_
jsd_empirical
jsd_empirical_no
jsd_empirical_readdepth
jsd_empirical_rbdepth
jsd_empirical_rbdepthreaddepth
jsd_empirical_rbdepgreireaddepth
jsd_empirical_adjreaddepth
jsd_empirical_rbadjreaddepth
kmean_empirical_no
kmean_empirical_readdepth
kmean_empirical_rbdepth
kmean_empirical_rbdepthreaddepth
kmean_empirical_rbdepgreireaddepth
kmean_empirical_adjreaddepth
kmean_empirical_rbadjreaddepth
jsd_zinb_no
jsd_zinb_readdepth
jsd_zinb_rbdepth
jsd_zinb_rbdepthreaddepth
jsd_zinb_rbdepgreireaddepth
jsd_zinb_adjreaddepth
jsd_zinb_rbadjreaddepth
kmean_zinb_
kmean_zinb_no
kmean_zinb_readdepth
kmean_zinb_rbdepth
kmean_zinb_rbdepthreaddepth
kmean_zinb_rbdepgreireaddepth
kmean_zinb_adjreaddepth
kmean_zinb_rbadjreaddepth
jsd_direct_
jsd_direct_no
jsd_direct_readdepth
jsd_direct_rbdepth
jsd_direct_rbdepthreaddepth
jsd_direct_rbdepgreireaddepth
jsd_direct_adjreaddepth
jsd_direct_rbadjreaddepth
kmean_direct_
kmean_direct_no
kmean_direct_readdepth
kmean_direct_rbdepth
kmean_direct_rbdepthreaddepth
kmean_direct_rbdepgreireaddepth
kmean_direct_adjreaddepth
kmean_direct_rbadjreaddepth

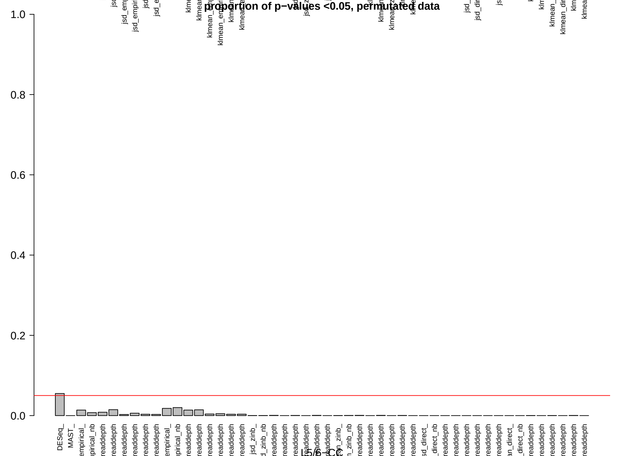

proportion of p−values <0.05, permutated data
1.0
0.8
0.6
0.4
0.2
0.0
1−5/6
DESeq_
MAST_
MAST_
jsd_empirical
jsd_empirical_no
jsd_empirical_readdepth
jsd_empirical_rbdepth
jsd_empirical_rbdepthreaddepth
jsd_empirical_rbdepgreireaddepth
jsd_empirical_adjreaddepth
jsd_empirical_rbadjreaddepth
kmean_empirical_no
kmean_empirical_readdepth
kmean_empirical_rbdepth
kmean_empirical_rbdepthreaddepth
kmean_empirical_rbdepgreireaddepth
kmean_empirical_adjreaddepth
kmean_empirical_rbadjreaddepth
jsd_zinb_no
jsd_zinb_readdepth
jsd_zinb_rbdepth
jsd_zinb_rbdepthreaddepth
jsd_zinb_rbdepgreireaddepth
jsd_zinb_adjreaddepth
jsd_zinb_rbadjreaddepth
kmean_zinb_
kmean_zinb_no
kmean_zinb_readdepth
kmean_zinb_rbdepth
kmean_zinb_rbdepthreaddepth
kmean_zinb_rbdepgreireaddepth
kmean_zinb_adjreaddepth
kmean_zinb_rbadjreaddepth
jsd_direct_
jsd_direct_no
jsd_direct_readdepth
jsd_direct_rbdepth
jsd_direct_rbdepthreaddepth
jsd_direct_rbdepgreireaddepth
jsd_direct_adjreaddepth
jsd_direct_rbadjreaddepth
kmean_direct_
kmean_direct_no
kmean_direct_readdepth
kmean_direct_rbdepth
kmean_direct_rbdepthreaddepth
kmean_direct_rbdepgreireaddepth
kmean_direct_adjreaddepth
kmean_direct_rbadjreaddepth

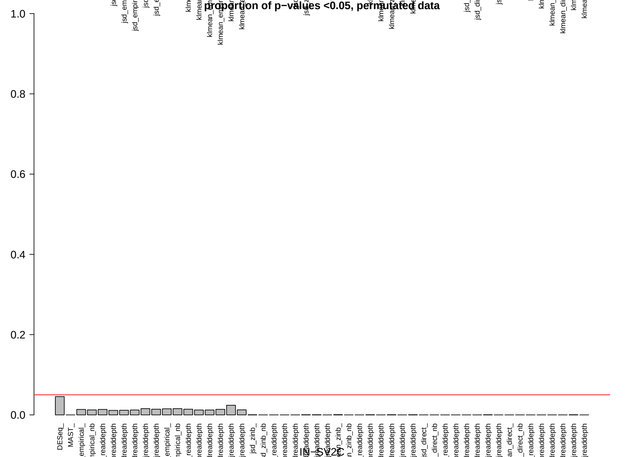

proportion of p−values <0.05, permutated data
1.0
0.8
0.6
0.4
0.2
0.0
Oligodendrocytes
DESeq_
MAST_
MAST_
jsd_empirical
jsd_empirical_no
jsd_empirical_readdepth
jsd_empirical_rbdepth
jsd_empirical_rbdepthreaddepth
jsd_empirical_rbdepgreireaddepth
jsd_empirical_adjreaddepth
jsd_empirical_rbadjreaddepth
kmean_empirical_no
kmean_empirical_readdepth
kmean_empirical_rbdepth
kmean_empirical_rbdepthreaddepth
kmean_empirical_rbdepgreireaddepth
kmean_empirical_adjreaddepth
kmean_empirical_rbadjreaddepth
jsd_zinb_no
jsd_zinb_readdepth
jsd_zinb_rbdepth
jsd_zinb_rbdepthreaddepth
jsd_zinb_rbdepgreireaddepth
jsd_zinb_adjreaddepth
jsd_zinb_rbadjreaddepth
kmean_zinb_
kmean_zinb_no
kmean_zinb_readdepth
kmean_zinb_rbdepth
kmean_zinb_rbdepthreaddepth
kmean_zinb_rbdepgreireaddepth
kmean_zinb_adjreaddepth
kmean_zinb_rbadjreaddepth
jsd_direct_
jsd_direct_no
jsd_direct_readdepth
jsd_direct_rbdepth
jsd_direct_rbdepthreaddepth
jsd_direct_rbdepgreireaddepth
jsd_direct_adjreaddepth
jsd_direct_rbadjreaddepth
kmean_direct_
kmean_direct_no
kmean_direct_readdepth
kmean_direct_rbdepth
kmean_direct_rbdepthreaddepth
kmean_direct_rbdepgreireaddepth
kmean_direct_adjreaddepth
kmean_direct_rbadjreaddepth

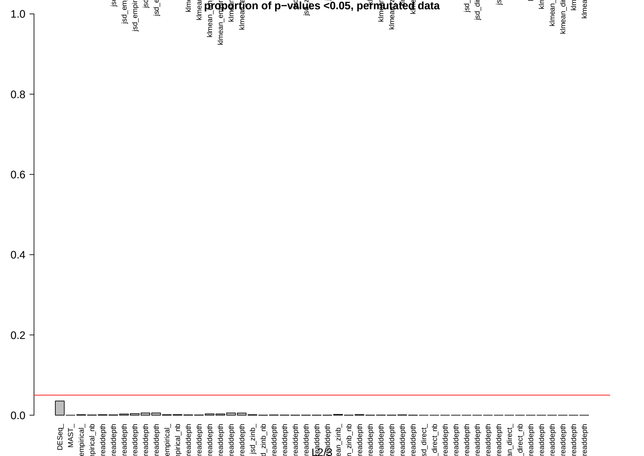

proportion of p−values <0.05, permutated data
1.0
0.8
0.6
0.4
0.2
0.0
1−5/6−CC
DESeq_
MAST_
MAST_
jsd_empirical
jsd_empirical_no
jsd_empirical_readdepth
jsd_empirical_rbdepth
jsd_empirical_rbdepthreaddepth
jsd_empirical_rbdepgreireaddepth
jsd_empirical_adjreaddepth
jsd_empirical_rbadjreaddepth
kmean_empirical_no
kmean_empirical_readdepth
kmean_empirical_rbdepth
kmean_empirical_rbdepthreaddepth
kmean_empirical_rbdepgreireaddepth
kmean_empirical_adjreaddepth
kmean_empirical_rbadjreaddepth
jsd_zinb_no
jsd_zinb_readdepth
jsd_zinb_rbdepth
jsd_zinb_rbdepthreaddepth
jsd_zinb_rbdepgreireaddepth
jsd_zinb_adjreaddepth
jsd_zinb_rbadjreaddepth
kmean_zinb_
kmean_zinb_no
kmean_zinb_readdepth
kmean_zinb_rbdepth
kmean_zinb_rbdepthreaddepth
kmean_zinb_rbdepgreireaddepth
kmean_zinb_adjreaddepth
kmean_zinb_rbadjreaddepth
jsd_direct_
jsd_direct_no
jsd_direct_readdepth
jsd_direct_rbdepth
jsd_direct_rbdepthreaddepth
jsd_direct_rbdepgreireaddepth
jsd_direct_adjreaddepth
jsd_direct_rbadjreaddepth
kmean_direct_
kmean_direct_no
kmean_direct_readdepth
kmean_direct_rbdepth
kmean_direct_rbdepthreaddepth
kmean_direct_rbdepgreireaddepth
kmean_direct_adjreaddepth
kmean_direct_rbadjreaddepth

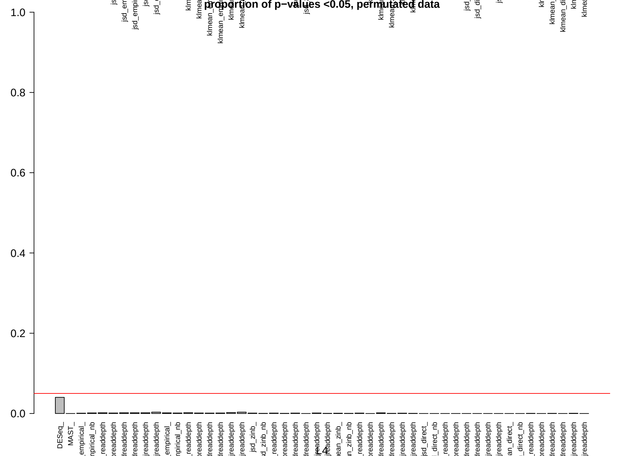

proportion of p−values <0.05, permutated data
1.0
0.8
0.6
0.4
0.2
0.0
Neu−NRGN−II
DESeq_
MAST_
MVFT_
jsd_empirical_
jsd_empirical_nb
jsd_empirical_readdepth
jsd_empirical_nbreaddepth
jsd_empirical_nbregressreaddepth
jsd_empirical_adjreaddepth
jsd_empirical_nbadjreaddepth
kmean_empirical_
kmean_empirical_nb
kmean_empirical_readdepth
kmean_empirical_nbreaddepth
kmean_empirical_nbregressreaddepth
kmean_empirical_adjreaddepth
kmean_empirical_nbadjreaddepth
jsd_zinb_
jsd_zinb_nb
jsd_zinb_readdepth
jsd_zinb_nbreaddepth
jsd_zinb_bgreaddepth
jsd_zinb_bgnbreaddepth
jsd_zinb_bgregressreaddepth
jsd_zinb_adjreaddepth
jsd_zinb_nbadjreaddepth
kmean_zinb_
kmean_zinb_nb
kmean_zinb_readdepth
kmean_zinb_nbreaddepth
kmean_zinb_bgreaddepth
kmean_zinb_bgnbreaddepth
kmean_zinb_bgregressreaddepth
kmean_zinb_adjreaddepth
kmean_zinb_nbadjreaddepth
jsd_direct_
jsd_direct_nb
jsd_direct_readdepth
jsd_direct_nbreaddepth
jsd_direct_bgreaddepth
jsd_direct_bgnbreaddepth
jsd_direct_bgregressreaddepth
jsd_direct_adjreaddepth
jsd_direct_nbadjreaddepth
kmean_direct_
kmean_direct_nb
kmean_direct_readdepth
kmean_direct_nbreaddepth
kmean_direct_bgreaddepth
kmean_direct_bgnbreaddepth
kmean_direct_bgregressreaddepth
kmean_direct_adjreaddepth
kmean_direct_nbadjreaddepth


proportion of p−values <0.05, permutated data
Oligodendrocytes
1.0
0.8
0.6
0.4
0.2
0.0
DESeq_
MAST_
jsd_empirical_
jsd_empirical_ro
jsd_empirical_readdepth
jsd_empirical_rbdepth
jsd_empirical_rbdepthreaddepth
jsd_empirical_rdepthreaddepth
jsd_empirical_rdepthregressreaddepth
jsd_empirical_adjreaddepth
jsd_empirical_rbadjreaddepth
kmean_empirical_ro
kmean_empirical_readdepth
kmean_empirical_rbdepth
kmean_empirical_rbdepthreaddepth
kmean_empirical_rdepthreaddepth
kmean_empirical_rdepthregressreaddepth
kmean_empirical_adjreaddepth
kmean_empirical_rbadjreaddepth
jsd_zinb_
jsd_zinb_ro
jsd_zinb_readdepth
jsd_zinb_rbdepth
jsd_zinb_rbdepthreaddepth
jsd_zinb_rdepthreaddepth
jsd_zinb_rdepthregressreaddepth
jsd_zinb_adjreaddepth
jsd_zinb_rbadjreaddepth
kmean_zinb_
kmean_zinb_ro
kmean_zinb_readdepth
kmean_zinb_rbdepth
kmean_zinb_rbdepthreaddepth
kmean_zinb_rdepthreaddepth
kmean_zinb_rdepthregressreaddepth
kmean_zinb_adjreaddepth
kmean_zinb_rbadjreaddepth
jsd_direct_
jsd_direct_ro
jsd_direct_readdepth
jsd_direct_rbdepth
jsd_direct_rbdepthreaddepth
jsd_direct_rdepthreaddepth
jsd_direct_rdepthregressreaddepth
jsd_direct_adjreaddepth
jsd_direct_rbadjreaddepth
kmean_direct_
kmean_direct_ro
kmean_direct_readdepth
kmean_direct_rbdepth
kmean_direct_rbdepthreaddepth
kmean_direct_rdepthreaddepth
kmean_direct_rdepthregressreaddepth
kmean_direct_adjreaddepth
kmean_direct_rbadjreaddepth


proportion of p−values <0.05, permutated data
L5/6 CC
1.0
0.8
0.6
0.4
0.2
0.0
DESeq_
MAST_
jsd_empirical_
jsd_empirical_ro
jsd_empirical_readdepth
jsd_empirical_rbdepth
jsd_empirical_rbdepthreaddepth
jsd_empirical_rdepthreaddepth
jsd_empirical_rdepthregressreaddepth
jsd_empirical_adjreaddepth
jsd_empirical_rbadjreaddepth
kmean_empirical_ro
kmean_empirical_readdepth
kmean_empirical_rbdepth
kmean_empirical_rbdepthreaddepth
kmean_empirical_rdepthreaddepth
kmean_empirical_rdepthregressreaddepth
kmean_empirical_adjreaddepth
kmean_empirical_rbadjreaddepth
jsd_zinb_
jsd_zinb_ro
jsd_zinb_readdepth
jsd_zinb_rbdepth
jsd_zinb_rbdepthreaddepth
jsd_zinb_rdepthreaddepth
jsd_zinb_rdepthregressreaddepth
jsd_zinb_adjreaddepth
jsd_zinb_rbadjreaddepth
kmean_zinb_
kmean_zinb_ro
kmean_zinb_readdepth
kmean_zinb_rbdepth
kmean_zinb_rbdepthreaddepth
kmean_zinb_rdepthreaddepth
kmean_zinb_rdepthregressreaddepth
kmean_zinb_adjreaddepth
kmean_zinb_rbadjreaddepth
jsd_direct_
jsd_direct_ro
jsd_direct_readdepth
jsd_direct_rbdepth
jsd_direct_rbdepthreaddepth
jsd_direct_rdepthreaddepth
jsd_direct_rdepthregressreaddepth
jsd_direct_adjreaddepth
jsd_direct_rbadjreaddepth
kmean_direct_
kmean_direct_ro
kmean_direct_readdepth
kmean_direct_rbdepth
kmean_direct_rbdepthreaddepth
kmean_direct_rdepthreaddepth
kmean_direct_rdepthregressreaddepth
kmean_direct_adjreaddepth
kmean_direct_rbadjreaddepth


proportion of p−values <0.05, permutated data
IN SV2C
1.0
0.8
0.6
0.4
0.2
0.0
DESeq_
MAST_
jsd_empirical_
jsd_empirical_ro
jsd_empirical_readdepth
jsd_empirical_rbdepth
jsd_empirical_rbdepthreaddepth
jsd_empirical_rdepthreaddepth
jsd_empirical_rdepthregressreaddepth
jsd_empirical_adjreaddepth
jsd_empirical_rbadjreaddepth
kmean_empirical_ro
kmean_empirical_readdepth
kmean_empirical_rbdepth
kmean_empirical_rbdepthreaddepth
kmean_empirical_rdepthreaddepth
kmean_empirical_rdepthregressreaddepth
kmean_empirical_adjreaddepth
kmean_empirical_rbadjreaddepth
jsd_zinb_
jsd_zinb_ro
jsd_zinb_readdepth
jsd_zinb_rbdepth
jsd_zinb_rbdepthreaddepth
jsd_zinb_rdepthreaddepth
jsd_zinb_rdepthregressreaddepth
jsd_zinb_adjreaddepth
jsd_zinb_rbadjreaddepth
kmean_zinb_
kmean_zinb_ro
kmean_zinb_readdepth
kmean_zinb_rbdepth
kmean_zinb_rbdepthreaddepth
kmean_zinb_rdepthreaddepth
kmean_zinb_rdepthregressreaddepth
kmean_zinb_adjreaddepth
kmean_zinb_rbadjreaddepth
jsd_direct_
jsd_direct_ro
jsd_direct_readdepth
jsd_direct_rbdepth
jsd_direct_rbdepthreaddepth
jsd_direct_rdepthreaddepth
jsd_direct_rdepthregressreaddepth
jsd_direct_adjreaddepth
jsd_direct_rbadjreaddepth
kmean_direct_
kmean_direct_ro
kmean_direct_readdepth
kmean_direct_rbdepth
kmean_direct_rbdepthreaddepth
kmean_direct_rdepthreaddepth
kmean_direct_rdepthregressreaddepth
kmean_direct_adjreaddepth
kmean_direct_rbadjreaddepth


proportion of p−values <0.05, permutated data
L2/3
1.0
0.8
0.6
0.4
0.2
0.0
DESeq_
MAST_
jsd_empirical_
jsd_empirical_ro
jsd_empirical_readdepth
jsd_empirical_rbdepth
jsd_empirical_rbdepthreaddepth
jsd_empirical_rdepthreaddepth
jsd_empirical_rdepthregressreaddepth
jsd_empirical_adjreaddepth
jsd_empirical_rbadjreaddepth
kmean_empirical_ro
kmean_empirical_readdepth
kmean_empirical_rbdepth
kmean_empirical_rbdepthreaddepth
kmean_empirical_rdepthreaddepth
kmean_empirical_rdepthregressreaddepth
kmean_empirical_adjreaddepth
kmean_empirical_rbadjreaddepth
jsd_zinb_
jsd_zinb_ro
jsd_zinb_readdepth
jsd_zinb_rbdepth
jsd_zinb_rbdepthreaddepth
jsd_zinb_rdepthreaddepth
jsd_zinb_rdepthregressreaddepth
jsd_zinb_adjreaddepth
jsd_zinb_rbadjreaddepth
kmean_zinb_
kmean_zinb_ro
kmean_zinb_readdepth
kmean_zinb_rbdepth
kmean_zinb_rbdepthreaddepth
kmean_zinb_rdepthreaddepth
kmean_zinb_rdepthregressreaddepth
kmean_zinb_adjreaddepth
kmean_zinb_rbadjreaddepth
jsd_direct_
jsd_direct_ro
jsd_direct_readdepth
jsd_direct_rbdepth
jsd_direct_rbdepthreaddepth
jsd_direct_rdepthreaddepth
jsd_direct_rdepthregressreaddepth
jsd_direct_adjreaddepth
jsd_direct_rbadjreaddepth
kmean_direct_
kmean_direct_ro
kmean_direct_readdepth
kmean_direct_rbdepth
kmean_direct_rbdepthreaddepth
kmean_direct_rdepthreaddepth
kmean_direct_rdepthregressreaddepth
kmean_direct_adjreaddepth
kmean_direct_rbadjreaddepth


proportion of p−values <0.05, permutated data
L4
1.0
0.8
0.6
0.4
0.2
0.0
DESeq_
MAST_
jsd_empirical_
jsd_empirical_ro
jsd_empirical_readdepth
jsd_empirical_rbdepth
jsd_empirical_rbdepthreaddepth
jsd_empirical_rdepthreaddepth
jsd_empirical_rdepthregressreaddepth
jsd_empirical_adjreaddepth
jsd_empirical_rbadjreaddepth
kmean_empirical_ro
kmean_empirical_readdepth
kmean_empirical_rbdepth
kmean_empirical_rbdepthreaddepth
kmean_empirical_rdepthreaddepth
kmean_empirical_rdepthregressreaddepth
kmean_empirical_adjreaddepth
kmean_empirical_rbadjreaddepth
jsd_zinb_
jsd_zinb_ro
jsd_zinb_readdepth
jsd_zinb_rbdepth
jsd_zinb_rbdepthreaddepth
jsd_zinb_rdepthreaddepth
jsd_zinb_rdepthregressreaddepth
jsd_zinb_adjreaddepth
jsd_zinb_rbadjreaddepth
kmean_zinb_
kmean_zinb_ro
kmean_zinb_readdepth
kmean_zinb_rbdepth
kmean_zinb_rbdepthreaddepth
kmean_zinb_rdepthreaddepth
kmean_zinb_rdepthregressreaddepth
kmean_zinb_adjreaddepth
kmean_zinb_rbadjreaddepth
jsd_direct_
jsd_direct_ro
jsd_direct_readdepth
jsd_direct_rbdepth
jsd_direct_rbdepthreaddepth
jsd_direct_rdepthreaddepth
jsd_direct_rdepthregressreaddepth
jsd_direct_adjreaddepth
jsd_direct_rbadjreaddepth
kmean_direct_
kmean_direct_ro
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kmean_direct_rbdepth
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kmean_direct_adjreaddepth
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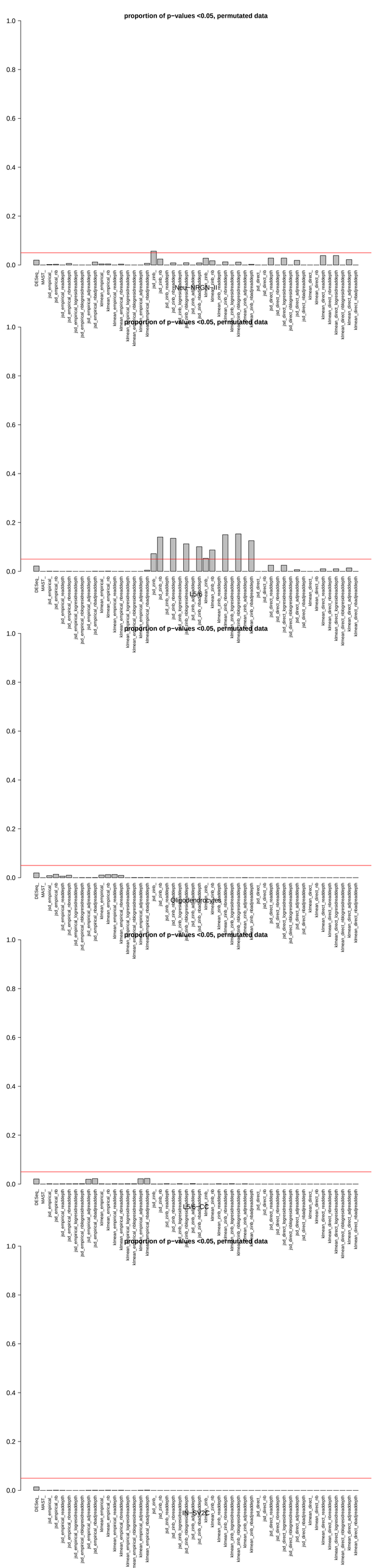
proportion of p−values <0.05, permutated data
Neur_NRGN_
proportion of p−values <0.05, permutated data
L5/6
proportion of p−values <0.05, permutated data
Oligodendrocytes
proportion of p−values <0.05, permutated data
L5/6_CC
proportion of p−values <0.05, permutated data
IN_SV2C
1.0
0.8
0.6
0.4
0.2
0.0
DESeq_
MAST_
MAST_
jsd_empirical
jsd_empirical_nb
jsd_empirical_readdepth
jsd_empirical_nbreaddepth
jsd_empirical_nbregressreaddepth
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jsd_empirical_nbadjreaddepth
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kmean_empirical_readdepth
kmean_empirical_nbreaddepth
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kmean_empirical_adjreaddepth
kmean_empirical_nbadjreaddepth
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jsd_zinb_readdepth
jsd_zinb_nbreaddepth
jsd_zinb_nbregressreaddepth
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jsd_zinb_nbadjreaddepth
kmn_zinb_
kmean_zinb_
kmean_zinb_nb
kmean_zinb_readdepth
kmean_zinb_nbreaddepth
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jsd_direct_nbregressreaddepth
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jsd_direct_nbadjreaddepth
kmean_direct_
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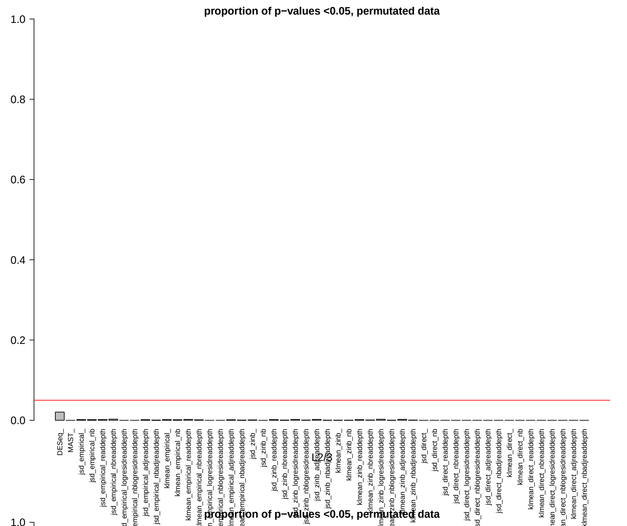
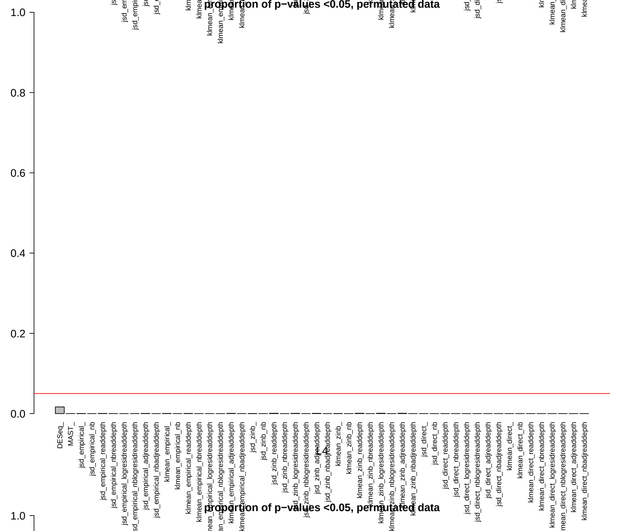
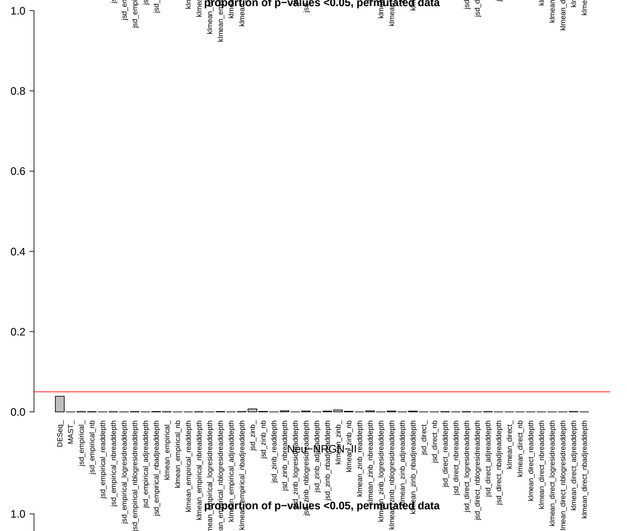


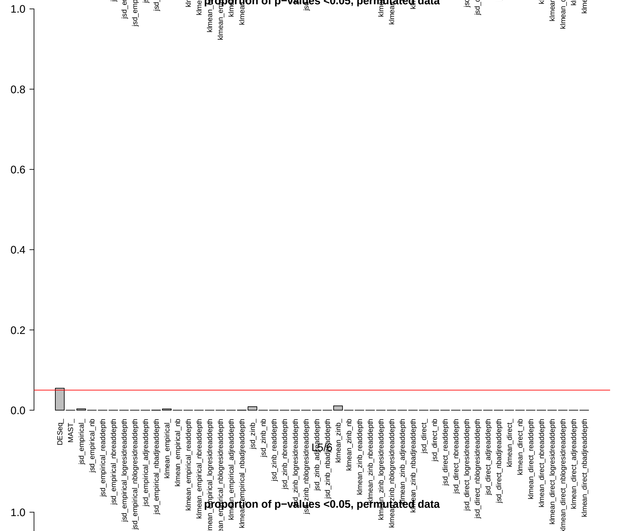

Neuron



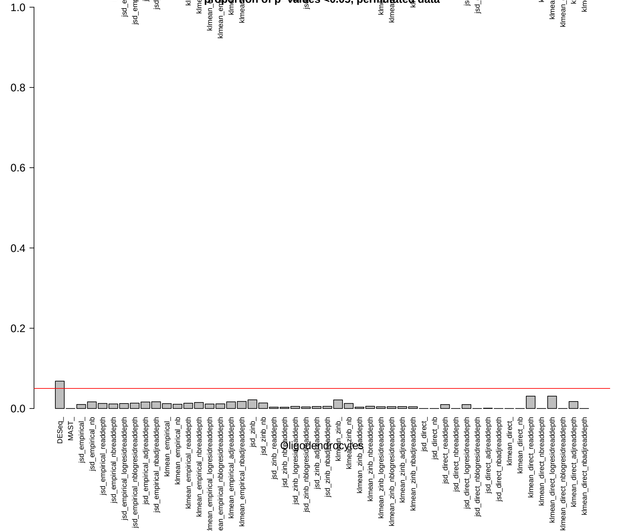

Astrocyte



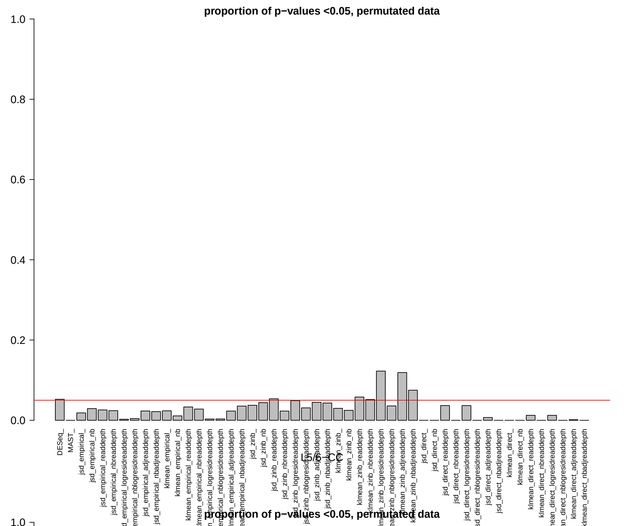

Neur-NRGN_I




Interneuron




Oligodendrocytes


proportion of p−values <0.05, permutated data
1.0
0.8
0.6
0.4
0.2
0.0
DESeq_
MAST_
MAST
jsd_empirical
jsd_empirical_nb
jsd_empirical_readdepth
jsd_empirical_rbdeqresidreaddepth
jsd_empirical_rbdeqresidnbreaddepth
jsd_empirical_rbdeqresidzinbreaddepth
jsd_empirical_adjreaddepth
jsd_empirical_rbadjreaddepth
kmean_empirical
kmean_empirical_nb
kmean_empirical_readdepth
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kmean_empirical_rbdeqresidnbreaddepth
kmean_empirical_rbdeqresidzinbreaddepth
kmean_empirical_adjreaddepth
kmean_empirical_rbadjreaddepth
jsd_zinb
jsd_zinb_nb
jsd_zinb_readdepth
jsd_zinb_rbreaddepth
jsd_zinb_bqresidreaddepth
jsd_zinb_bqresidnbreaddepth
jsd_zinb_bqresidzinbreaddepth
jsd_zinb_adjreaddepth
jsd_zinb_rbadjreaddepth
kmean_zinb
kmean_zinb_nb
kmean_zinb_readdepth
kmean_zinb_rbreaddepth
kmean_zinb_bqresidreaddepth
kmean_zinb_bqresidnbreaddepth
kmean_zinb_bqresidzinbreaddepth
kmean_zinb_adjreaddepth
kmean_zinb_rbadjreaddepth
jsd_direct
jsd_direct_nb
jsd_direct_readdepth
jsd_direct_rbreaddepth
jsd_direct_bqresidreaddepth
jsd_direct_bqresidnbreaddepth
jsd_direct_bqresidzinbreaddepth
jsd_direct_adjreaddepth
jsd_direct_rbadjreaddepth
kmean_direct
kmean_direct_nb
kmean_direct_readdepth
kmean_direct_rbreaddepth
kmean_direct_bqresidreaddepth
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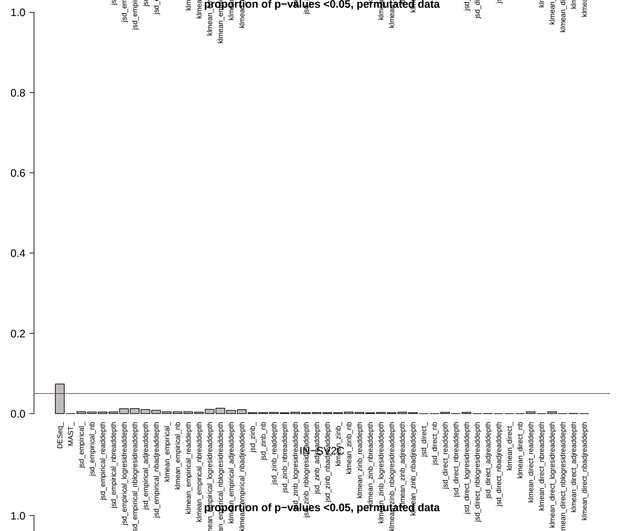
kmean_direct_bqresidzinbreaddepth
kmean_direct_adjreaddepth
kmean_direct_rbadjreaddepth
5/6 CC


proportion of p−values <0.05, permutated data
1.0
0.8
0.6
0.4
0.2
0.0
DESeq_
MAST_
MAST
jsd_empirical
jsd_empirical_nb
jsd_empirical_readdepth
jsd_empirical_rbdeqresidreaddepth
jsd_empirical_rbdeqresidnbreaddepth
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jsd_empirical_rbadjreaddepth
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kmean_empirical_nb
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kmean_empirical_rbadjreaddepth
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jsd_zinb_nb
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jsd_zinb_rbadjreaddepth
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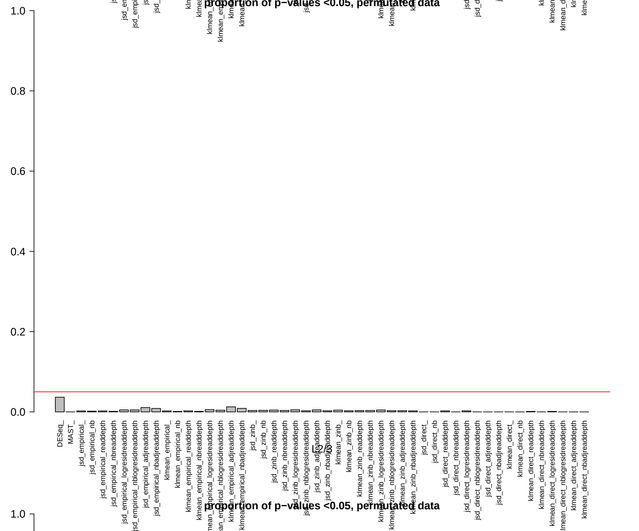
N/A SVZC


proportion of p−values <0.05, permutated data
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0.6
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0.2
0.0
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MAST_
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jsd_empirical_nb
jsd_empirical_readdepth
jsd_empirical_rbdeqresidreaddepth
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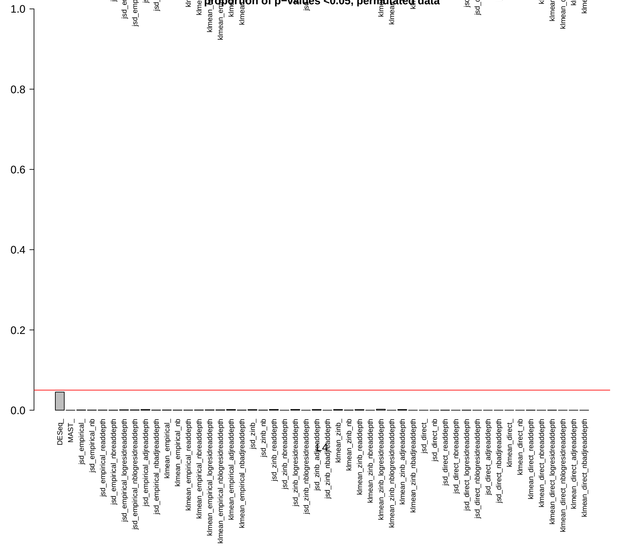
1/2 B


proportion of p−values <0.05, permutated data
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DESeq_
MAST_
MAST
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jsd_empirical_nb
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kmean_direct_adjreaddepth
kmean_direct_rbadjreaddepth
1/2 A