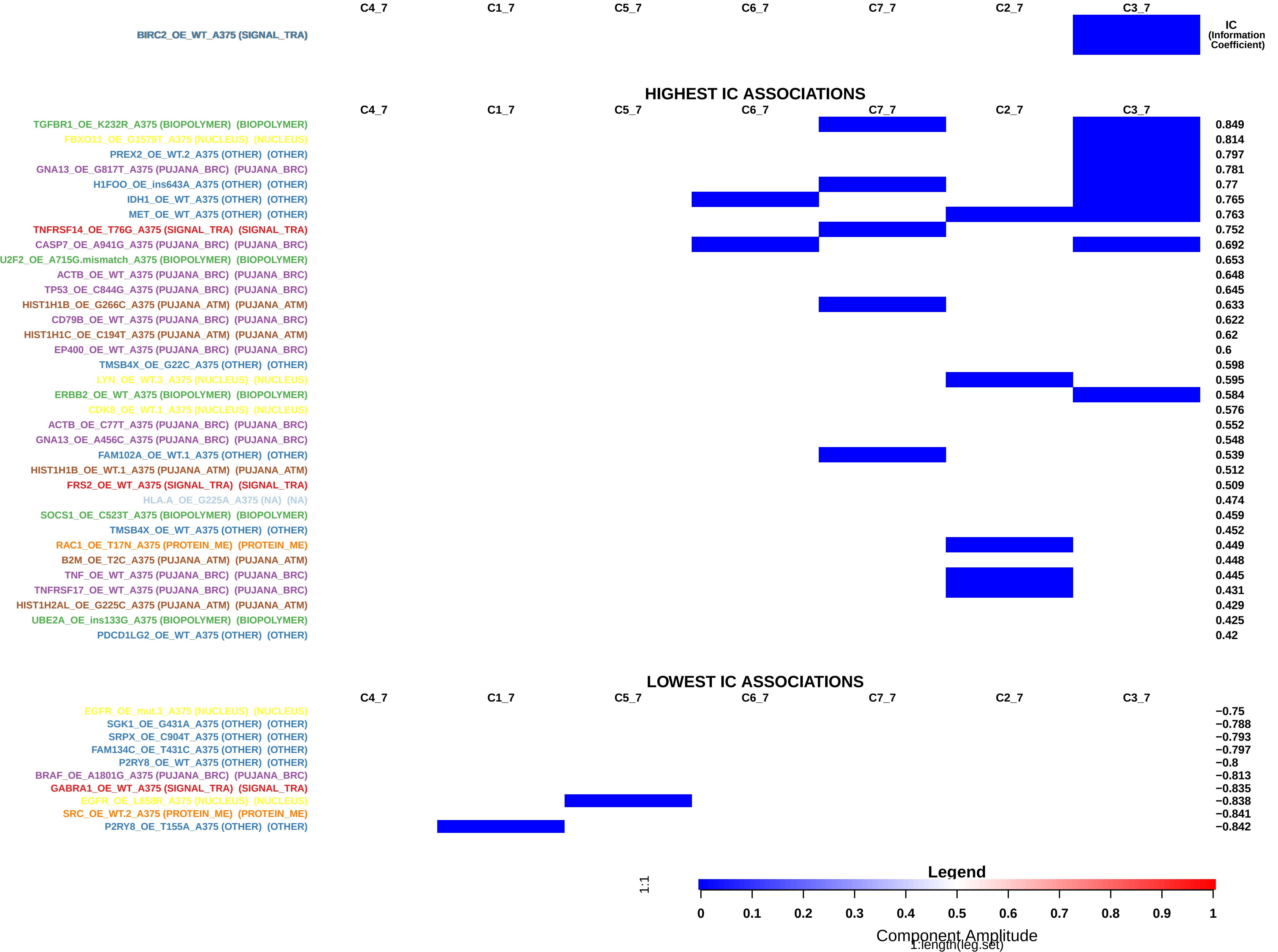
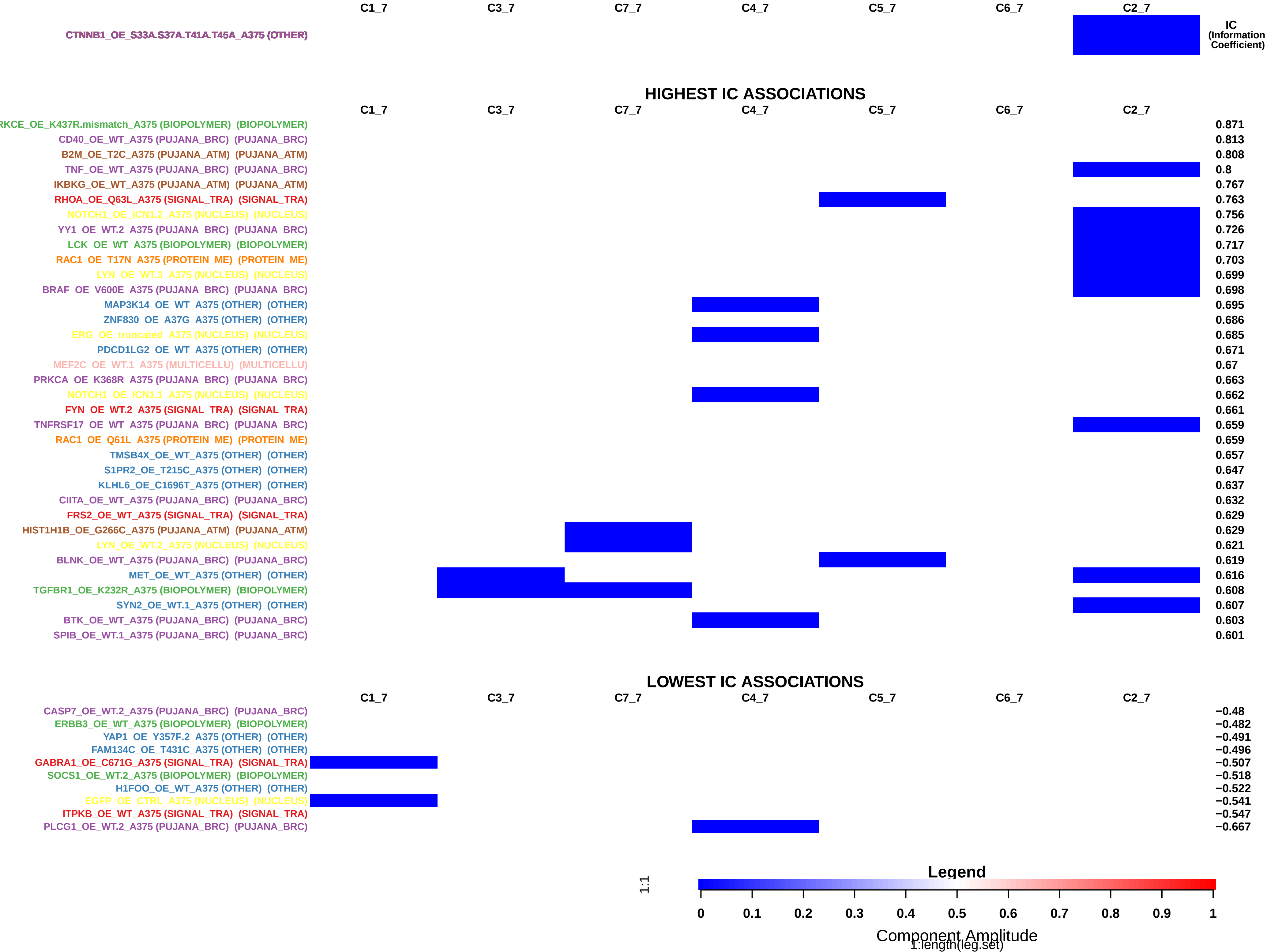
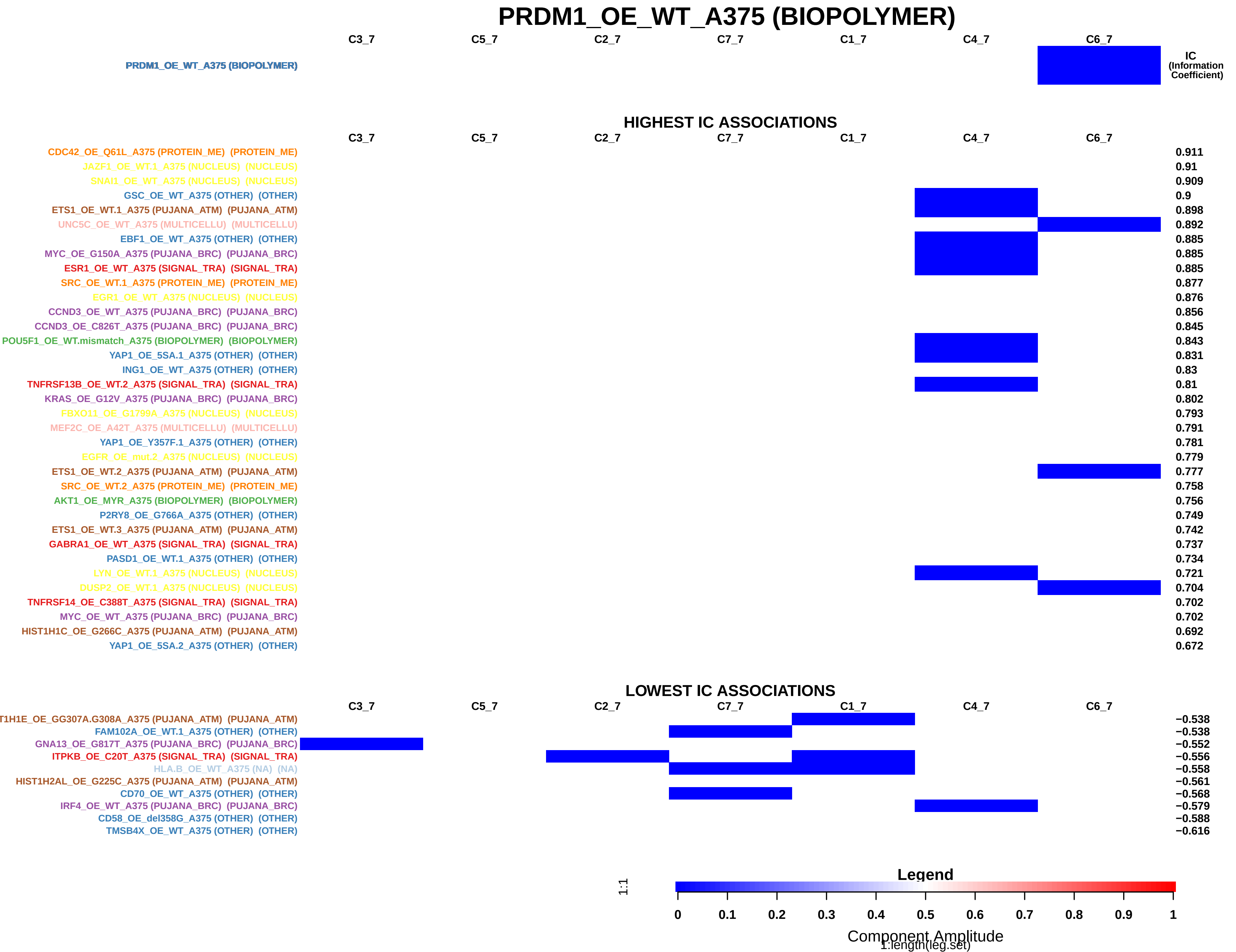
BIRC2_OE_WT_A375 (SIGNAL_TRA)

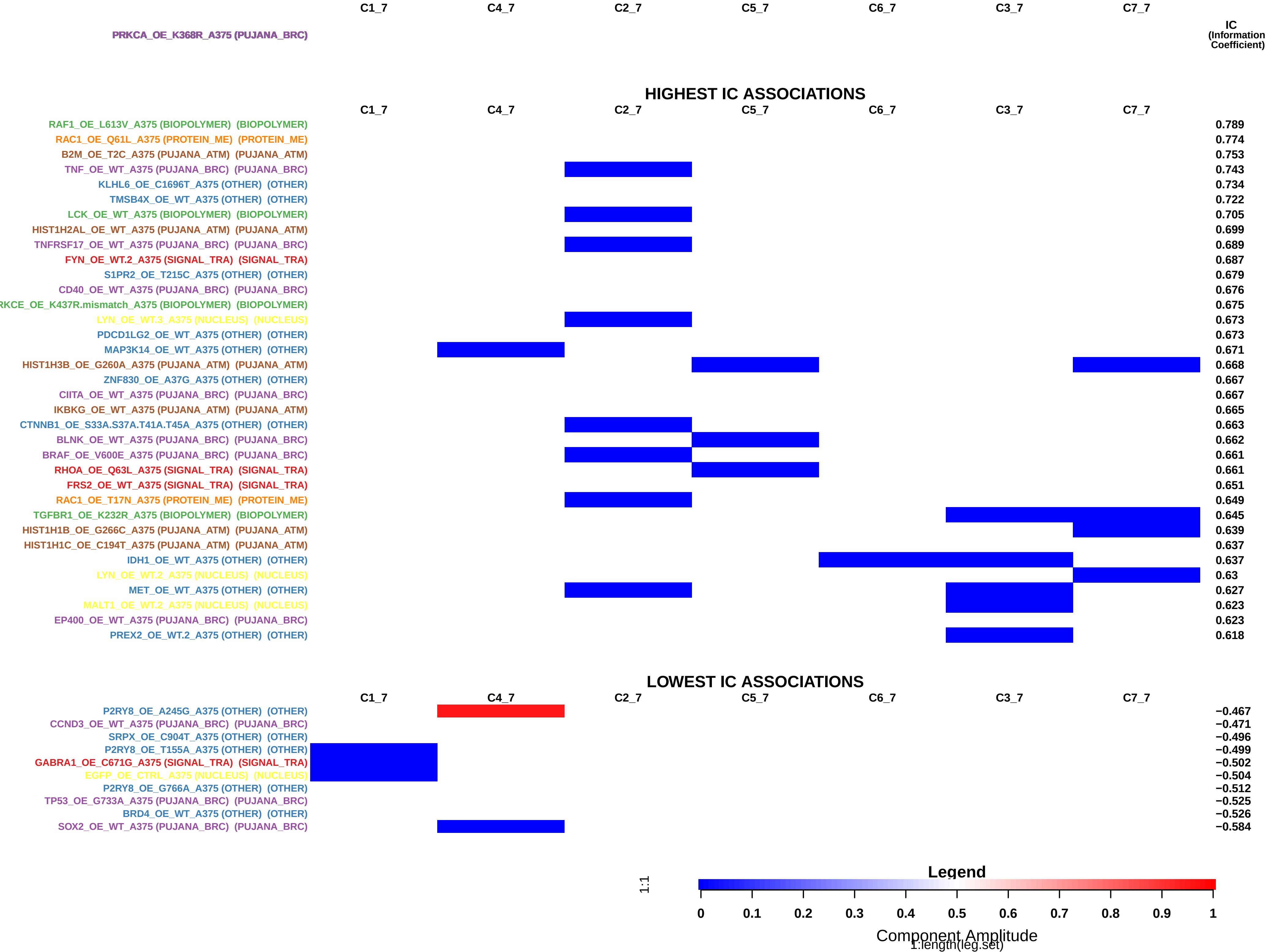


CTNNB1_OE_S33A.S37A.T41A.T45A_A375 (OTHER)

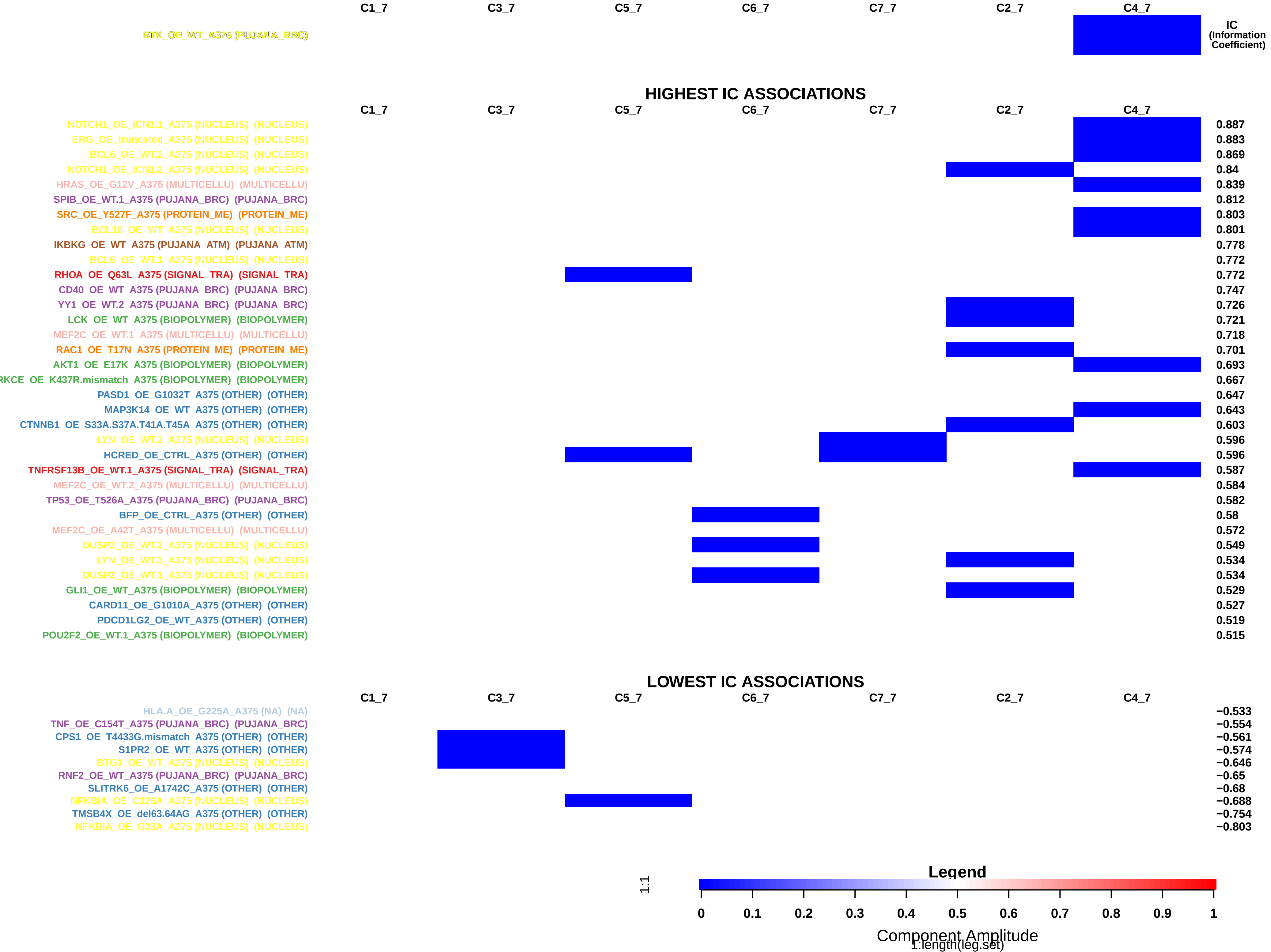



PRDM1_OE_WT_A375 (BIOPOLYMER)
C3_7
C5_7
C2_7
C7_7
C1_7
C4_7
C6_7
PRDM1_OE_WT_A375 (BIOPOLYMER)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
C3_7
C5_7
C2_7
C7_7
C1_7
C4_7
C6_7
CDC42_OE_Q61L_A375 (PROTEIN_ME) (PROTEIN_ME) 0.911
JAZF1_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.91
SNAI1_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.909
GSC_OE_WT_A375 (OTHER) (OTHER) 0.9
ETS1_OE_WT.1_A375 (PUJANA_ATM) (PUJANA_ATM) 0.898
UNC5C_OE_WT_A375 (MULTICELLU) (MULTICELLU) 0.892
EBF1_OE_WT_A375 (OTHER) (OTHER) 0.885
MYC_OE_G150A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.885
ESR1_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.885
SRC_OE_WT.1_A375 (PROTEIN_ME) (PROTEIN_ME) 0.877
EGR1_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.876
CCND3_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.856
CCND3_OE_C826T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.845
POU5F1_OE_WT.mismatch_A375 (BIOPOLYMER) (BIOPOLYMER) 0.843
YAP1_OE_5SA.1_A375 (OTHER) (OTHER) 0.831
ING1_OE_WT_A375 (OTHER) (OTHER) 0.83
TNFRSF13B_OE_WT.2_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.81
KRAS_OE_G12V_A375 (PUJANA_BRC) (PUJANA_BRC) 0.802
FBXO11_OE_G1799A_A375 (NUCLEUS) (NUCLEUS) 0.793
MEF2C_OE_A42T_A375 (MULTICELLU) (MULTICELLU) 0.791
YAP1_OE_Y357F.1_A375 (OTHER) (OTHER) 0.781
EGFR_OE_mut.2_A375 (NUCLEUS) (NUCLEUS) 0.779
ETS1_OE_WT.2_A375 (PUJANA_ATM) (PUJANA_ATM) 0.777
SRC_OE_WT.2_A375 (PROTEIN_ME) (PROTEIN_ME) 0.758
AKT1_OE_MYR_A375 (BIOPOLYMER) (BIOPOLYMER) 0.756
P2RY8_OE_G766A_A375 (OTHER) (OTHER) 0.749
ETS1_OE_WT.3_A375 (PUJANA_ATM) (PUJANA_ATM) 0.742
GABRA1_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.737
PASD1_OE_WT.1_A375 (OTHER) (OTHER) 0.734
LYN_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.721
DUSP2_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.704
TNFRSF14_OE_C388T_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.702
MYC_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.702
HIST1H1C_OE_G266C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.692
YAP1_OE_5SA.2_A375 (OTHER) (OTHER) 0.672
LOWEST IC ASSOCIATIONS
C3_7
C5_7
C2_7
C7_7
C1_7
C4_7
C6_7
T1H1E_OE_GG307A.G308A_A375 (PUJANA_ATM) (PUJANA_ATM) −0.538
FAM102A_OE_WT.1_A375 (OTHER) (OTHER) −0.538
GNA13_OE_G817T_A375 (PUJANA_BRC) (PUJANA_BRC) −0.552
ITPKB_OE_C20T_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.556
HLA.B_OE_WT_A375 (NA) (NA) −0.558
HIST1H2AL_OE_G225C_A375 (PUJANA_ATM) (PUJANA_ATM) −0.561
CD70_OE_WT_A375 (OTHER) (OTHER) −0.568
IRF4_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) −0.579
CD58_OE_del358G_A375 (OTHER) (OTHER) −0.588
TMSB4X_OE_WT_A375 (OTHER) (OTHER) −0.616
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

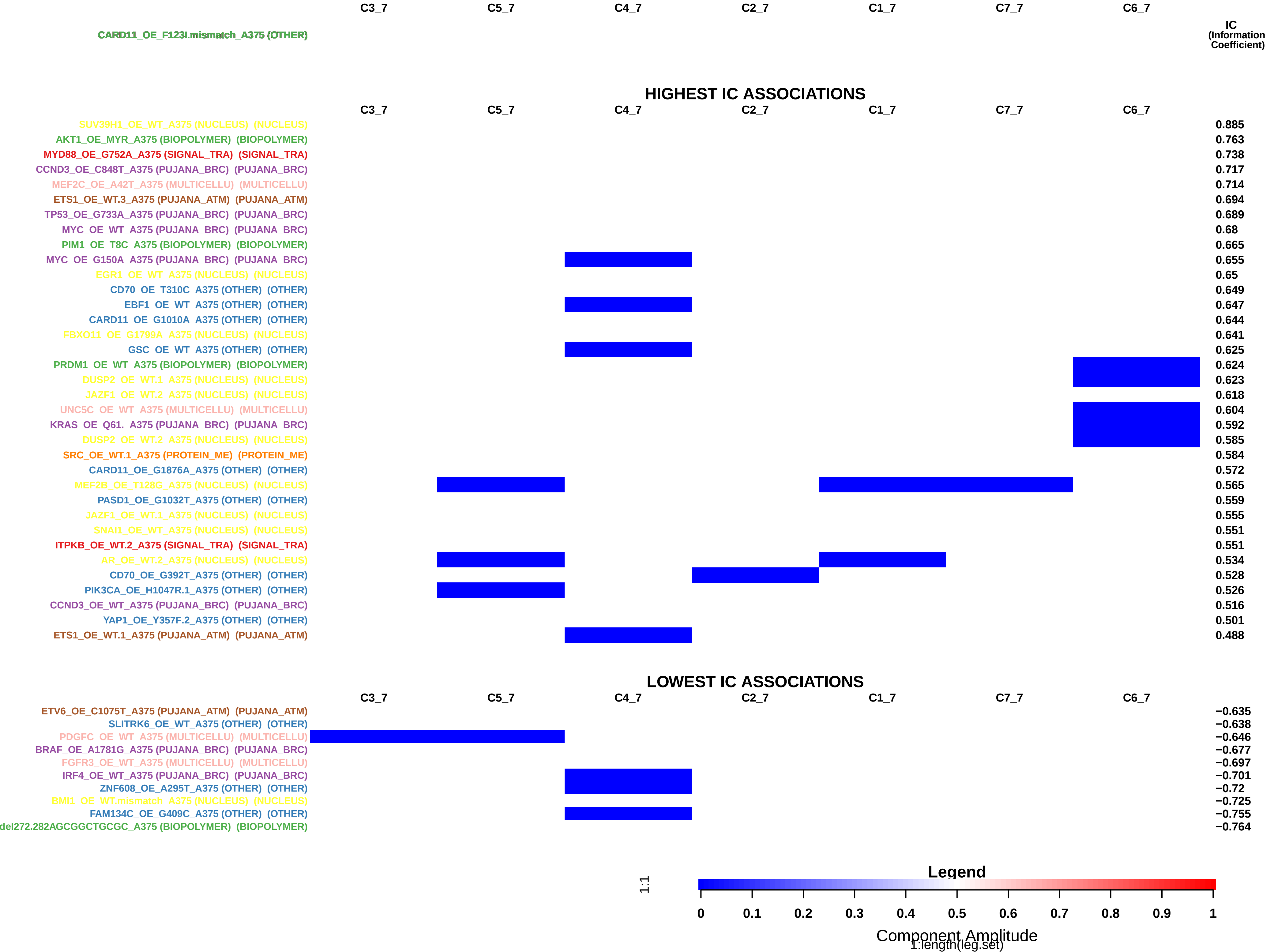
PRKCA_OE_K368R_A375 (PUJANA_BRC)



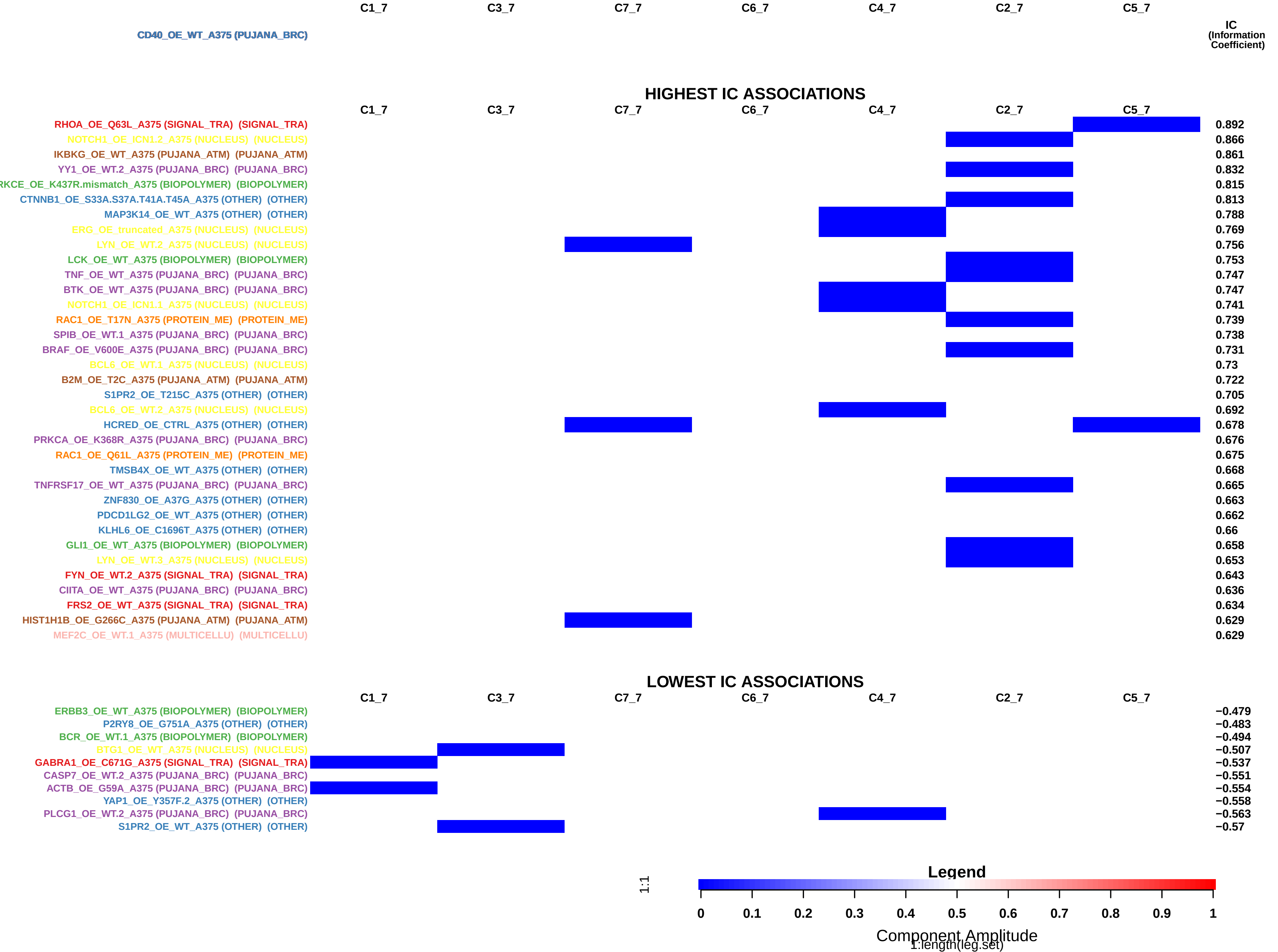
BTK_OE_WT_A375 (PUJANA_BRC)



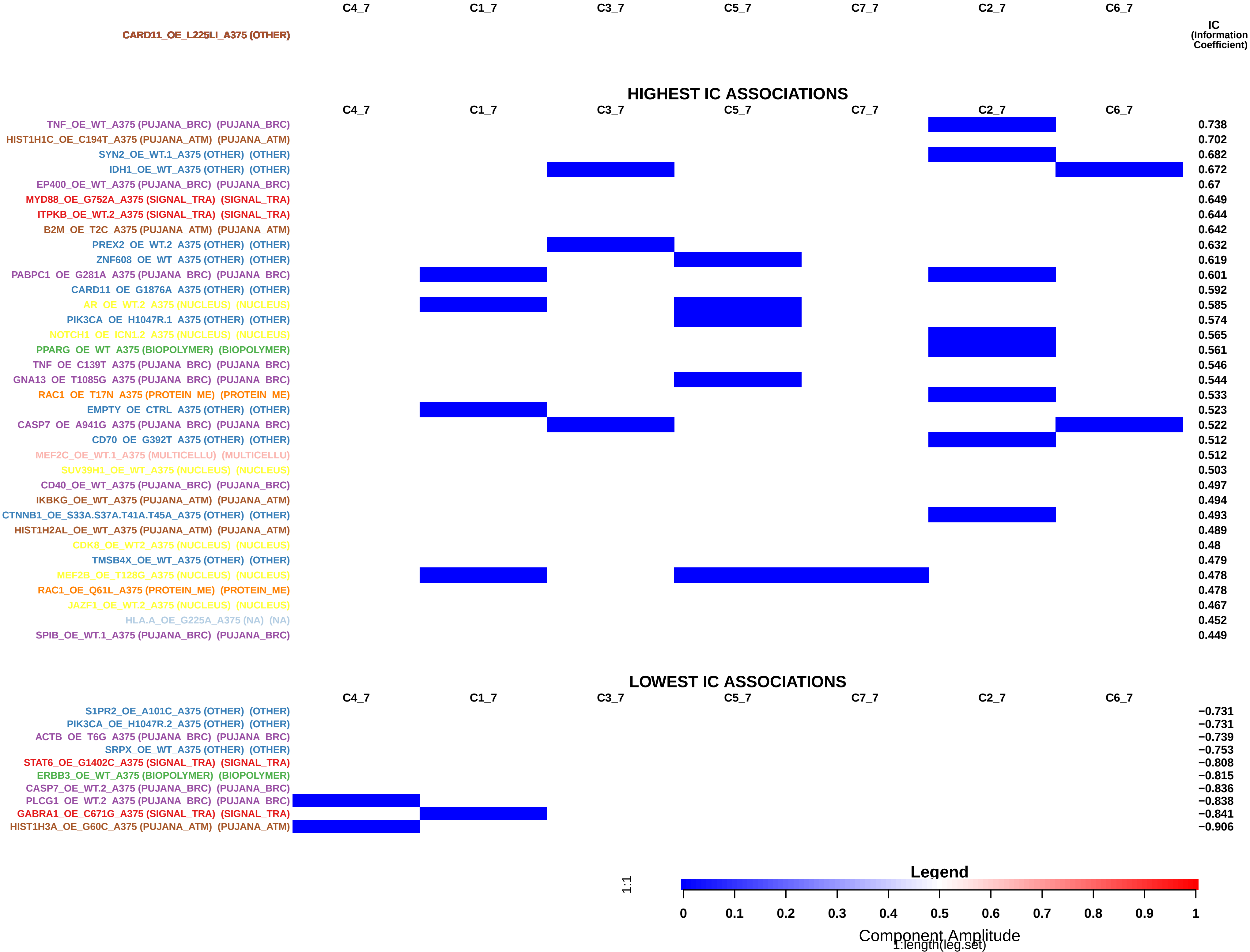
CARD11_OE_F123I.mismatch_A375 (OTHER)



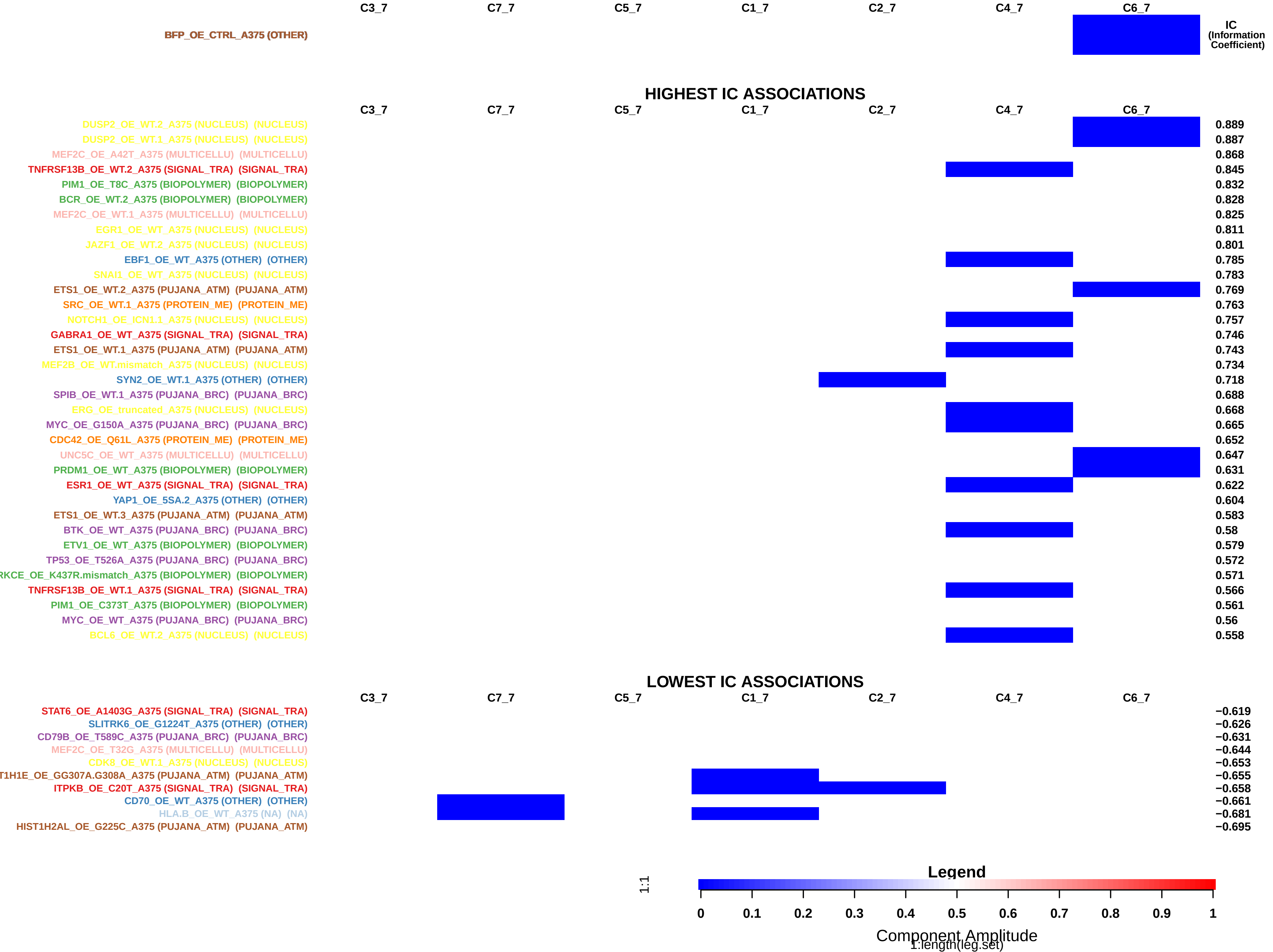
CD40_OE_WT_A375 (PUJANA_BRC)



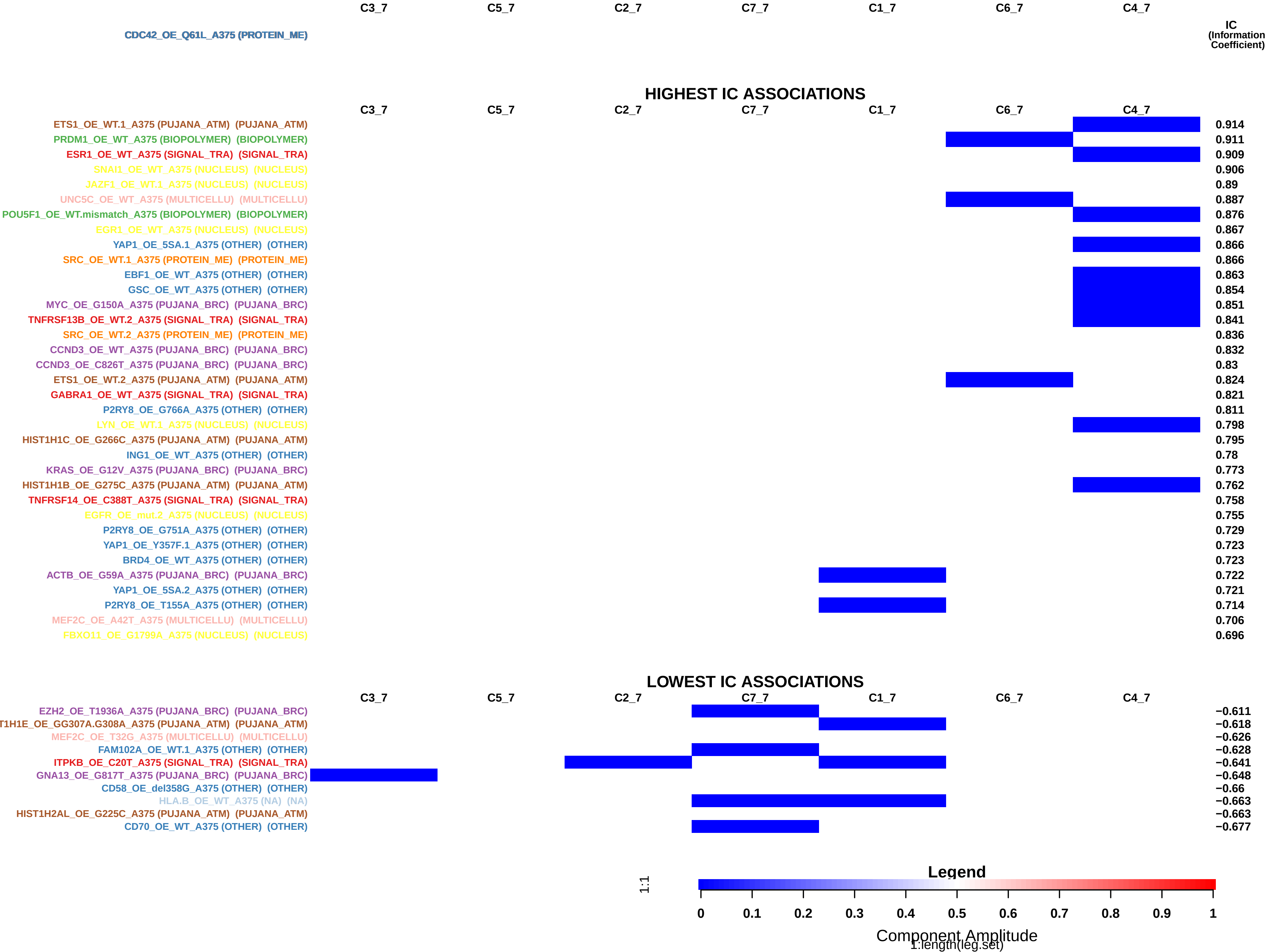
CARD11_OE_L225LI_A375 (OTHER)

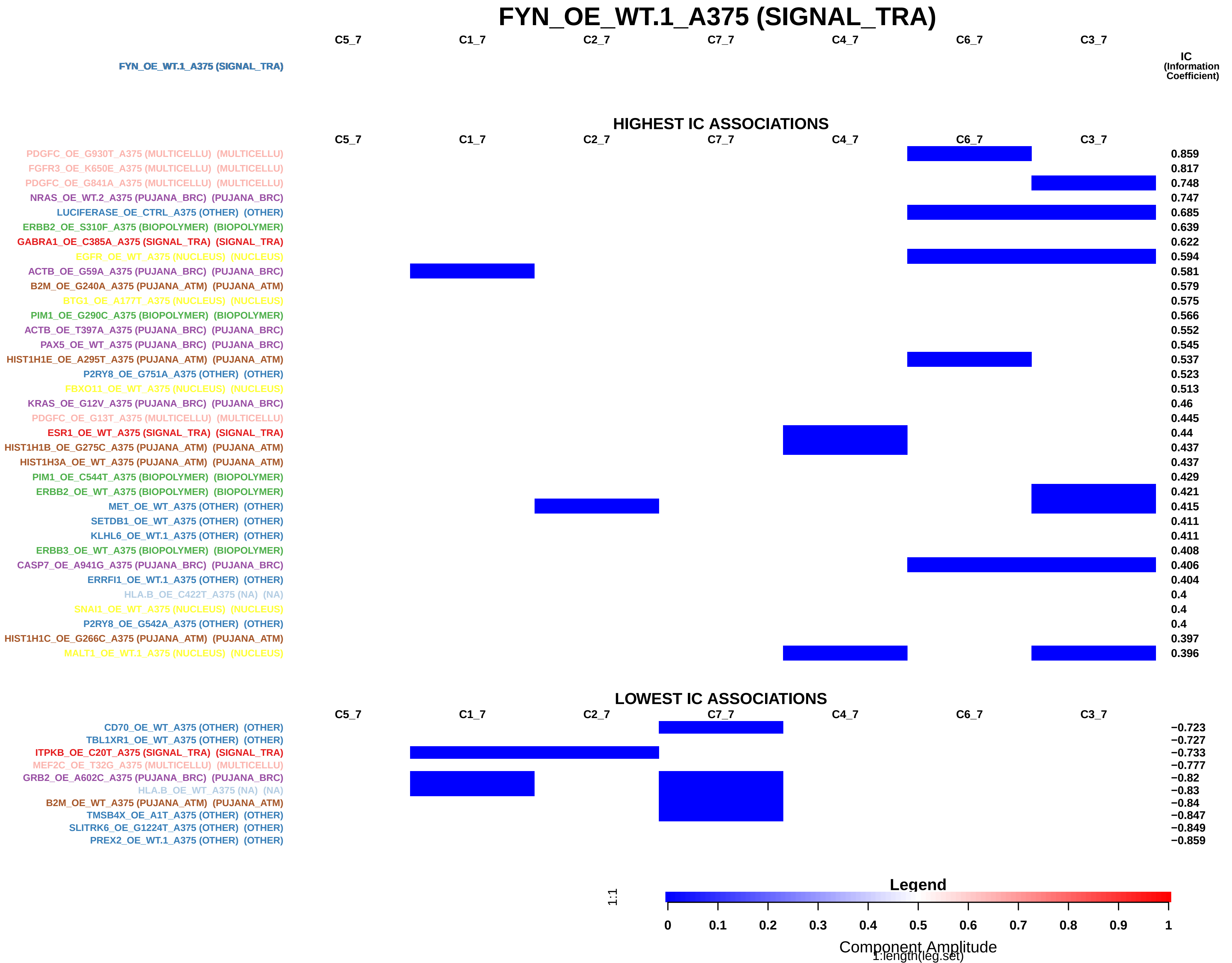


BFP_OE_CTRL_A375 (OTHER)

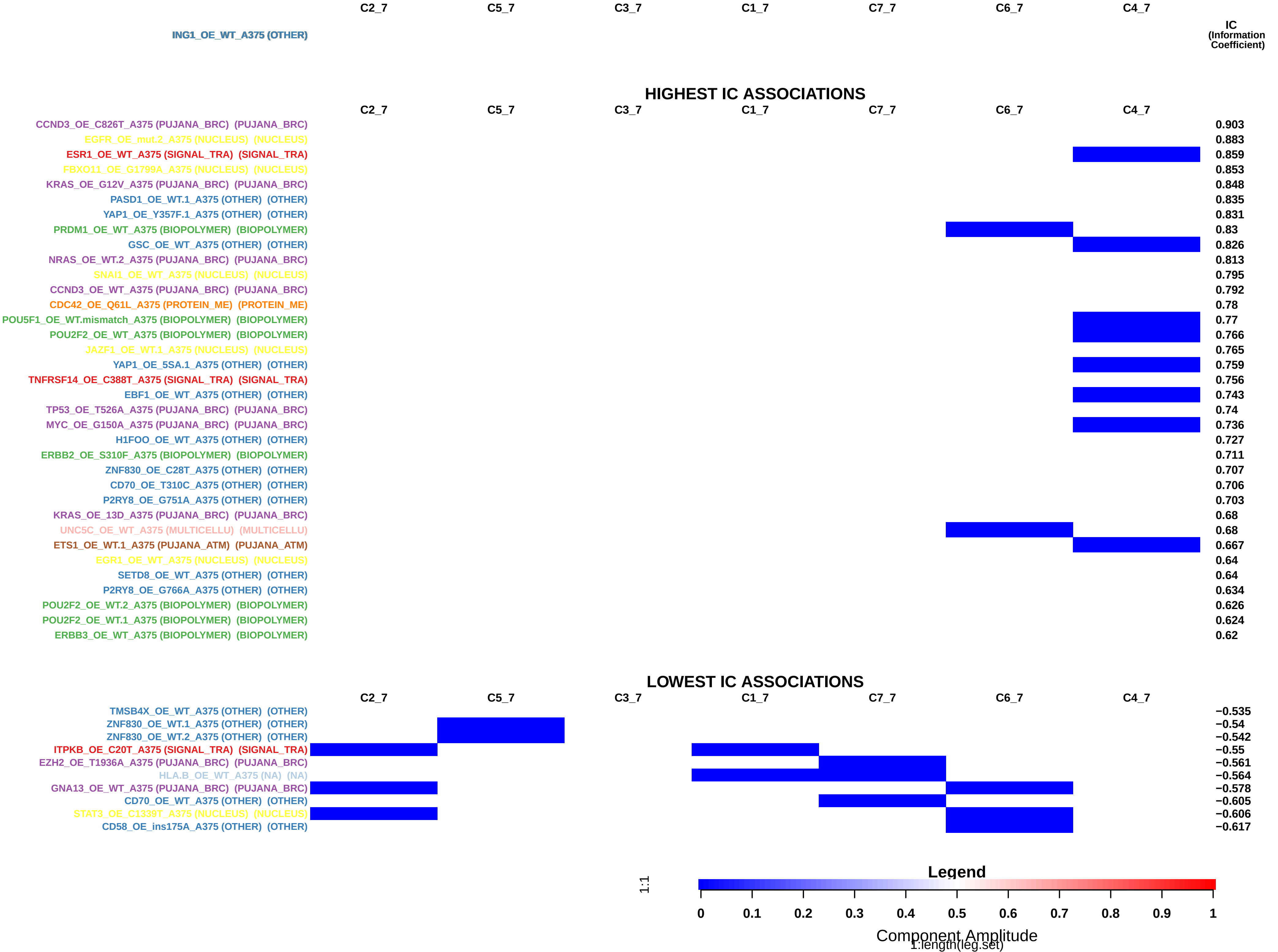


CDC42_OE_Q61L_A375 (PROTEIN_ME)

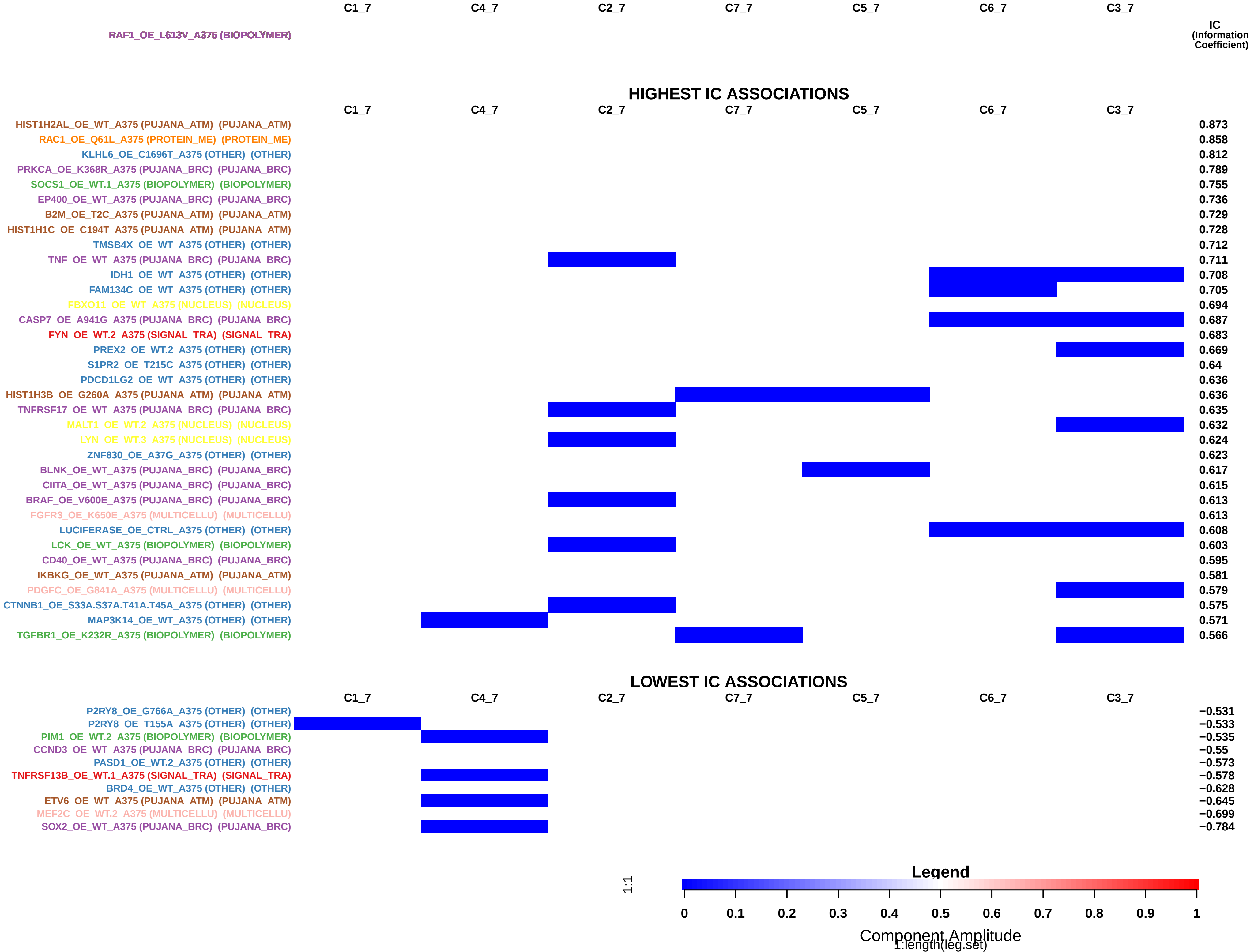


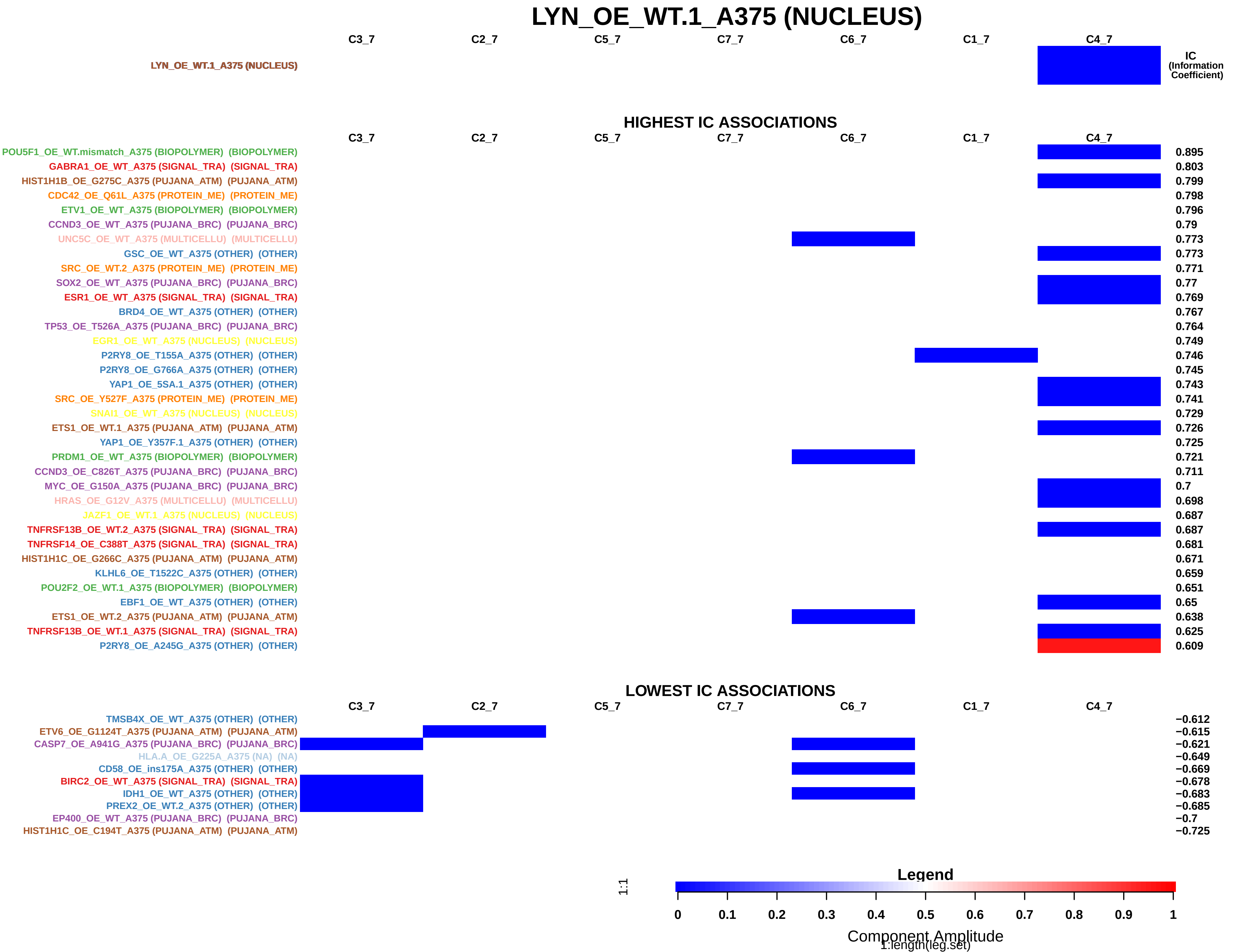

FYN_OE_WT.1_A375 (SIGNAL_TRA)
C5_7
C1_7
C2_7
C7_7
C4_7
C6_7
C3_7
FYN_OE_WT.1_A375 (SIGNAL_TRA)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
PDGFC_OE_G930T_A375 (MULTICELLU) (MULTICELLU) 0.859
FGFR3_OE_K650E_A375 (MULTICELLU) (MULTICELLU) 0.817
PDGFC_OE_G841A_A375 (MULTICELLU) (MULTICELLU) 0.748
NRAS_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.747
LUCIFERASE_OE_CTRL_A375 (OTHER) (OTHER) 0.685
ERBB2_OE_S310F_A375 (BIOPOLYMER) (BIOPOLYMER) 0.639
GABRA1_OE_C385A_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.622
EGFR_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.594
ACTB_OE_G59A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.581
B2M_OE_G240A_A375 (PUJANA_ATM) (PUJANA_ATM) 0.579
BTG1_OE_A177T_A375 (NUCLEUS) (NUCLEUS) 0.575
PIM1_OE_G290C_A375 (BIOPOLYMER) (BIOPOLYMER) 0.566
ACTB_OE_T397A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.552
PAX5_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.545
HIST1H1E_OE_A295T_A375 (PUJANA_ATM) (PUJANA_ATM) 0.537
P2RY8_OE_G751A_A375 (OTHER) (OTHER) 0.523
FBXO11_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.513
KRAS_OE_G12V_A375 (PUJANA_BRC) (PUJANA_BRC) 0.46
PDGFC_OE_G13T_A375 (MULTICELLU) (MULTICELLU) 0.445
ESR1_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.44
HIST1H1B_OE_G275C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.437
HIST1H3A_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.437
PIM1_OE_C544T_A375 (BIOPOLYMER) (BIOPOLYMER) 0.429
ERBB2_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.421
MET_OE_WT_A375 (OTHER) (OTHER) 0.415
SETDB1_OE_WT_A375 (OTHER) (OTHER) 0.411
KLHL6_OE_WT.1_A375 (OTHER) (OTHER) 0.411
ERBB3_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.408
CASP7_OE_A941G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.406
ERRFI1_OE_WT.1_A375 (OTHER) (OTHER) 0.404
HLA.B_OE_C422T_A375 (NA) (NA) 0.4
SNAI1_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.4
P2RY8_OE_G542A_A375 (OTHER) (OTHER) 0.4
HIST1H1C_OE_G266C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.397
MALT1_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.396
LOWEST IC ASSOCIATIONS
CD70_OE_WT_A375 (OTHER) (OTHER) −0.723
TBL1XR1_OE_WT_A375 (OTHER) (OTHER) −0.727
ITPKB_OE_C20T_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.733
MEF2C_OE_T32G_A375 (MULTICELLU) (MULTICELLU) −0.777
GRB2_OE_A602C_A375 (PUJANA_BRC) (PUJANA_BRC) −0.82
HLA.B_OE_WT_A375 (NA) (NA) −0.83
B2M_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) −0.84
TMSB4X_OE_A1T_A375 (OTHER) (OTHER) −0.847
SLITRK6_OE_G1224T_A375 (OTHER) (OTHER) −0.849
PREX2_OE_WT.1_A375 (OTHER) (OTHER) −0.859
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

ING1_OE_WT_A375 (OTHER)

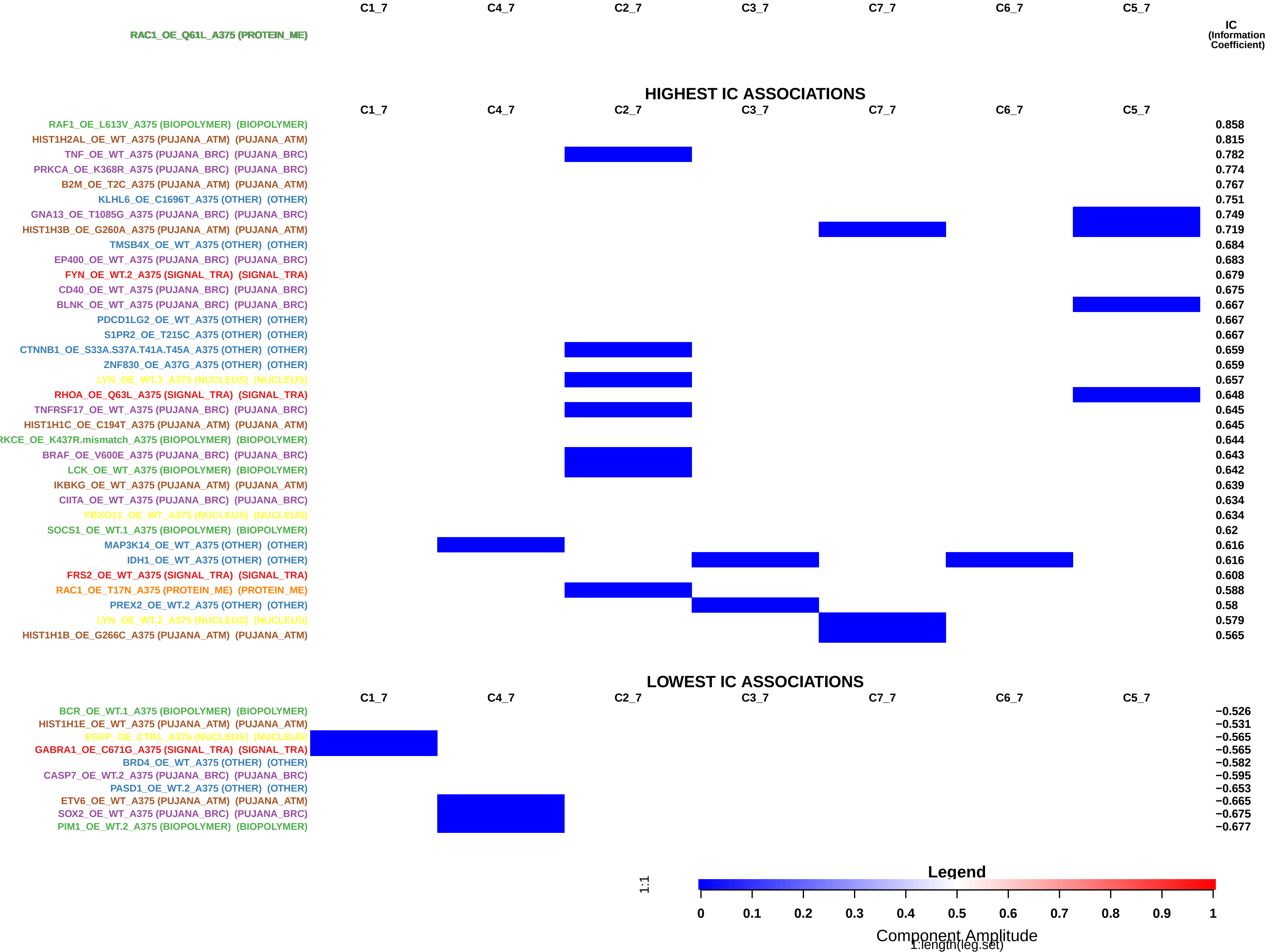


RAF1_OE_L613V_A375 (BIOPOLYMER)

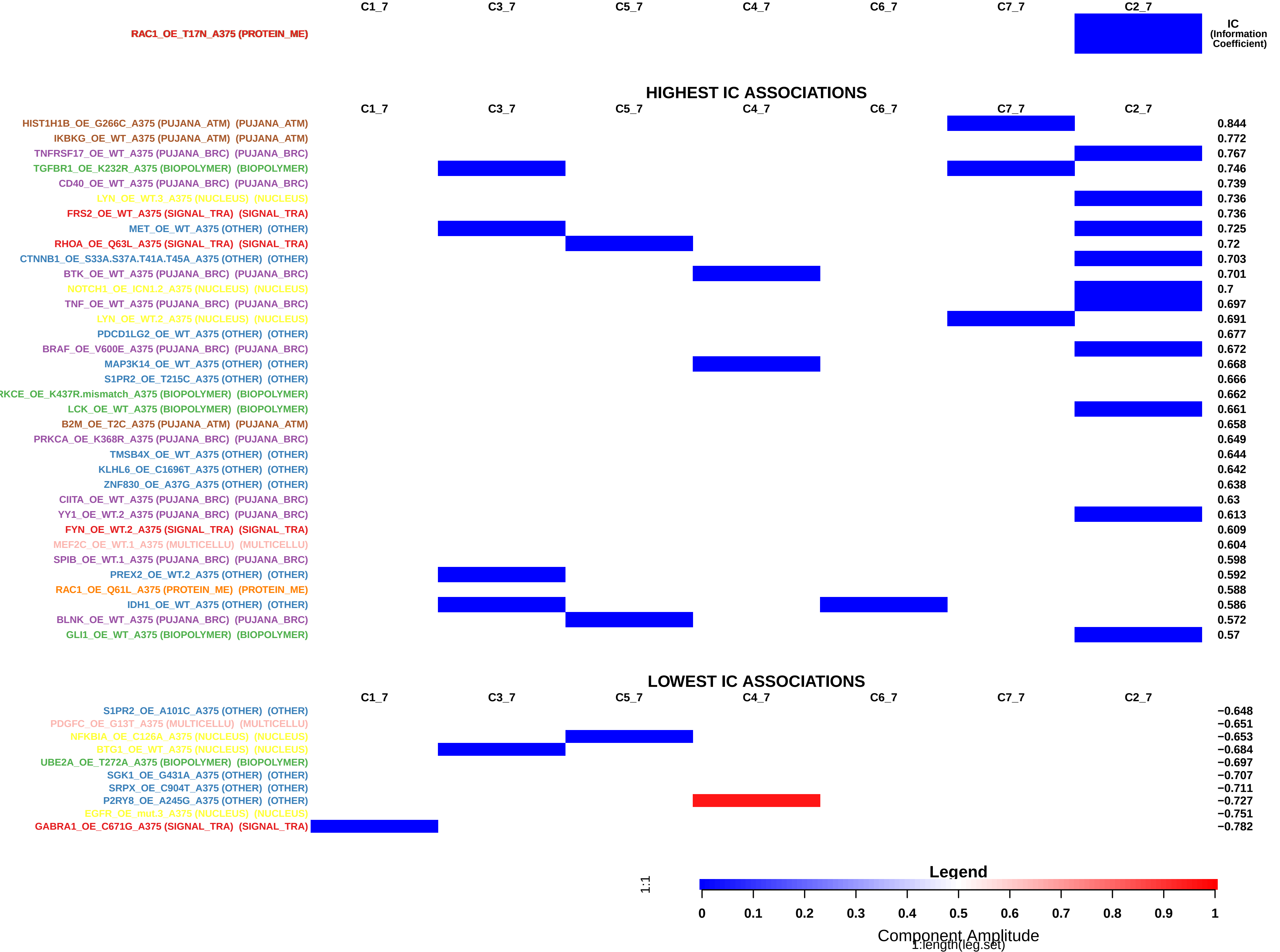



LYN_OE_WT.1_A375 (NUCLEUS)
C3_7
C2_7
C5_7
C7_7
C6_7
C1_7
C4_7
LYN_OE_WT.1_A375 (NUCLEUS)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
POU5F1_OE_WT.mismatch_A375 (BIOPOLYMER) (BIOPOLYMER) 0.895
GABRA1_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.803
HIST1H1B_OE_G275C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.799
CDC42_OE_Q61L_A375 (PROTEIN_ME) (PROTEIN_ME) 0.798
ETV1_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.796
CCND3_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.79
UNC5C_OE_WT_A375 (MULTICELLU) (MULTICELLU) 0.773
GSC_OE_WT_A375 (OTHER) (OTHER) 0.773
SRC_OE_WT.2_A375 (PROTEIN_ME) (PROTEIN_ME) 0.771
SOX2_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.77
ESR1_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.769
BRD4_OE_WT_A375 (OTHER) (OTHER) 0.767
TP53_OE_T526A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.764
EGR1_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.749
P2RY8_OE_T155A_A375 (OTHER) (OTHER) 0.746
P2RY8_OE_G766A_A375 (OTHER) (OTHER) 0.745
YAP1_OE_5SA.1_A375 (OTHER) (OTHER) 0.743
SRC_OE_Y527F_A375 (PROTEIN_ME) (PROTEIN_ME) 0.741
SNAI1_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.729
ETS1_OE_WT.1_A375 (PUJANA_ATM) (PUJANA_ATM) 0.726
YAP1_OE_Y357F.1_A375 (OTHER) (OTHER) 0.725
PRDM1_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.721
CCND3_OE_C826T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.711
MYC_OE_G150A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.7
HRAS_OE_G12V_A375 (MULTICELLU) (MULTICELLU) 0.698
JAZF1_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.687
TNFRSF13B_OE_WT.2_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.687
TNFRSF14_OE_C388T_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.681
HIST1H1C_OE_G266C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.671
KLHL6_OE_T1522C_A375 (OTHER) (OTHER) 0.659
POU2F2_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) 0.651
EBF1_OE_WT_A375 (OTHER) (OTHER) 0.65
ETS1_OE_WT.2_A375 (PUJANA_ATM) (PUJANA_ATM) 0.638
TNFRSF13B_OE_WT.1_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.625
P2RY8_OE_A245G_A375 (OTHER) (OTHER) 0.609
LOWEST IC ASSOCIATIONS
TMSB4X_OE_WT_A375 (OTHER) (OTHER) −0.612
ETV6_OE_G1124T_A375 (PUJANA_ATM) (PUJANA_ATM) −0.615
CASP7_OE_A941G_A375 (PUJANA_BRC) (PUJANA_BRC) −0.621
HLA.A_OE_G225A_A375 (NA) (NA) −0.649
CD58_OE_ins175A_A375 (OTHER) (OTHER) −0.669
BIRC2_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.678
IDH1_OE_WT_A375 (OTHER) (OTHER) −0.683
PREX2_OE_WT.2_A375 (OTHER) (OTHER) −0.685
EP400_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) −0.7
HIST1H1C_OE_C194T_A375 (PUJANA_ATM) (PUJANA_ATM) −0.725
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

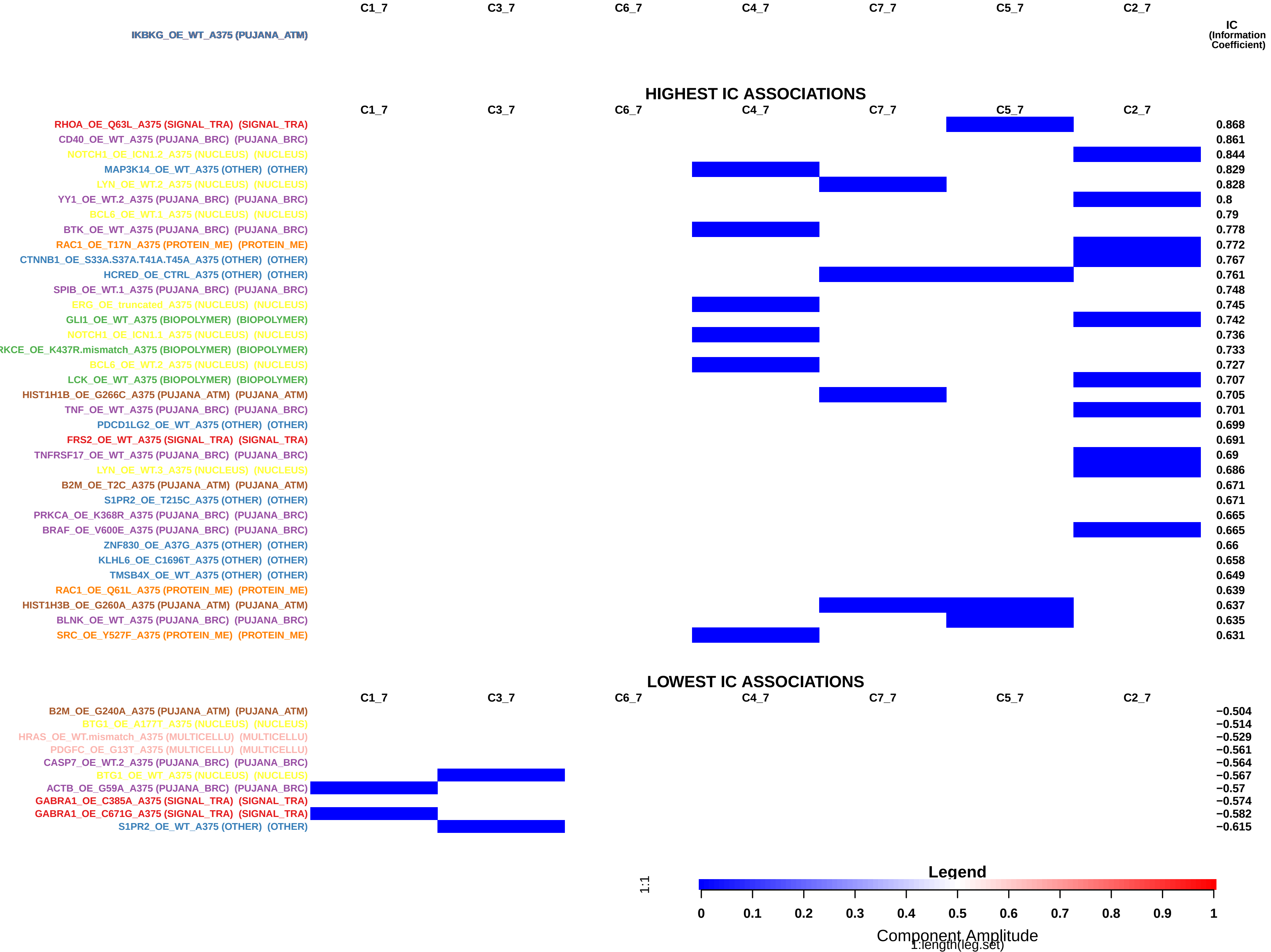
RAC1_OE_Q61L_A375 (PROTEIN_ME)



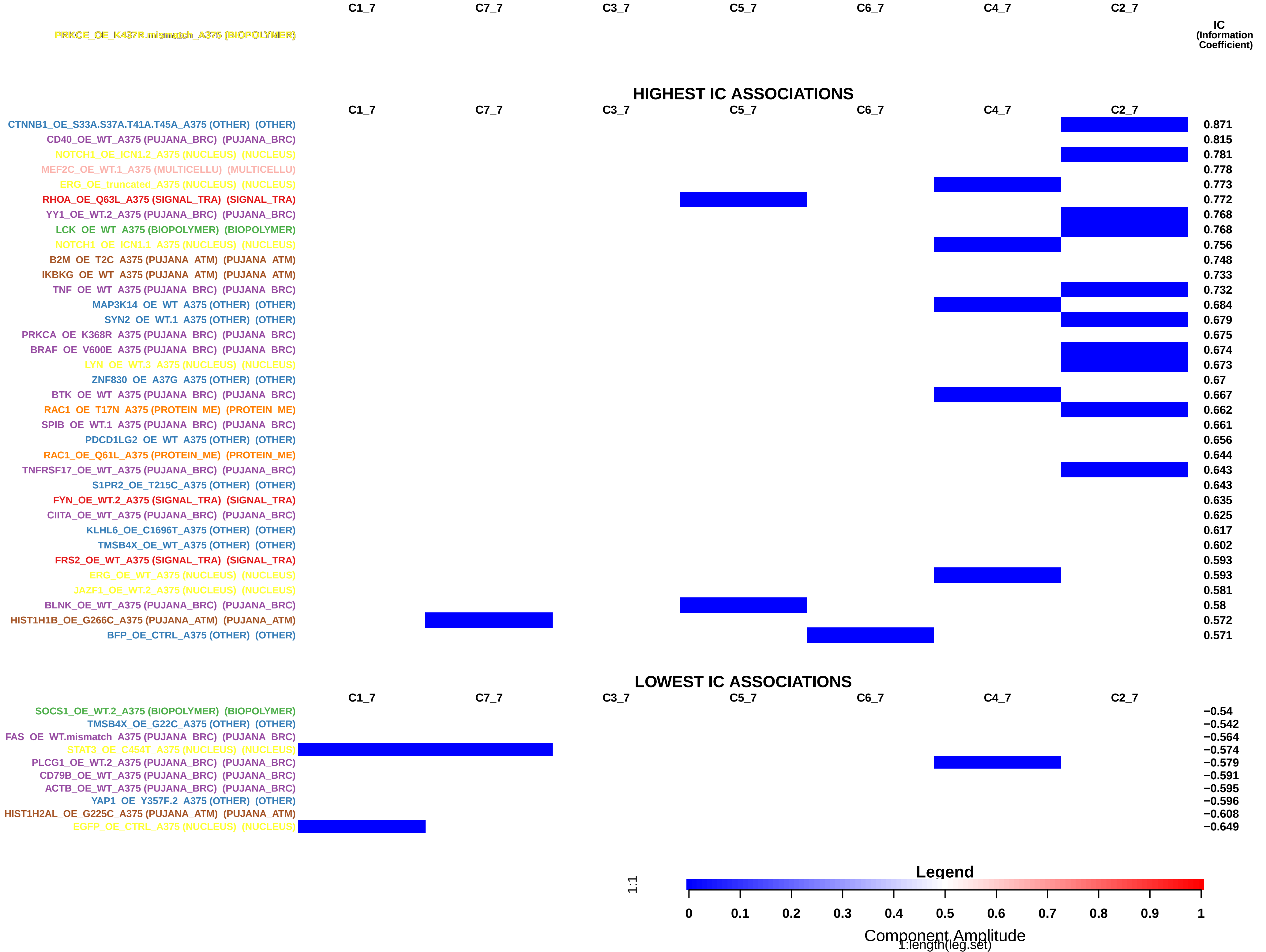
RAC1_OE_T17N_A375 (PROTEIN_ME)



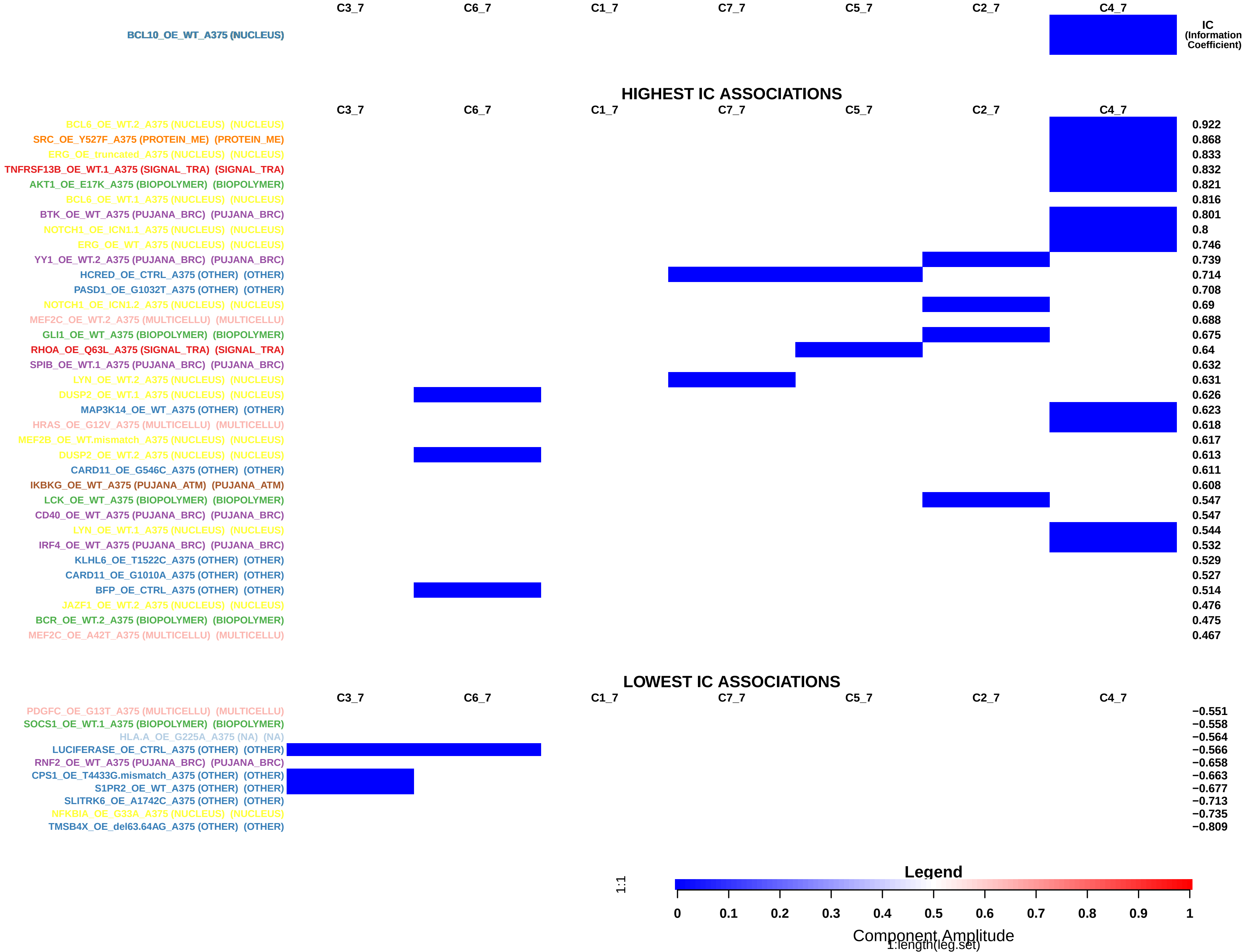
IKBKG_OE_WT_A375 (PUJANA_ATM)

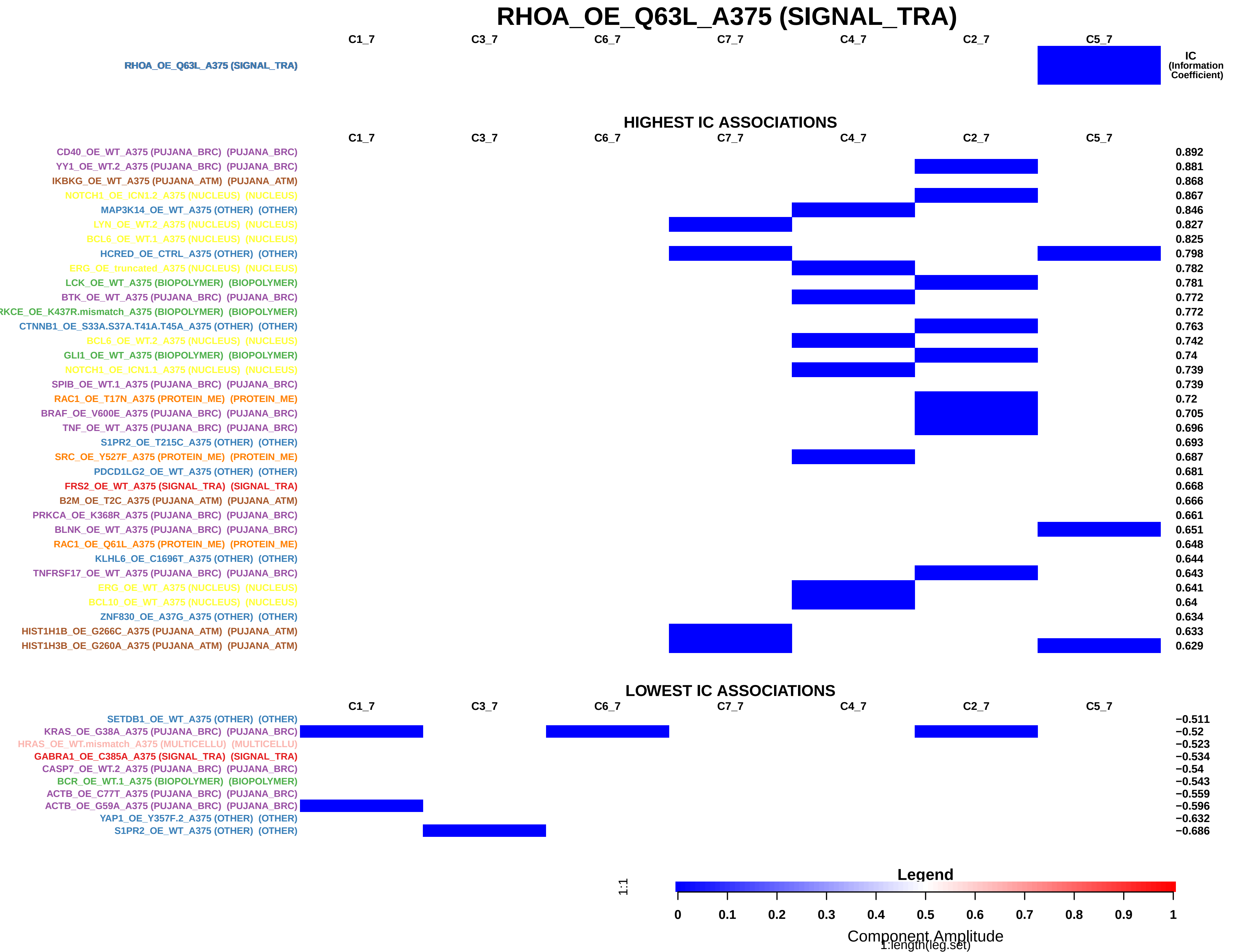


PRKCE_OE_K437R.mismatch_A375 (BIOPOLYMER)

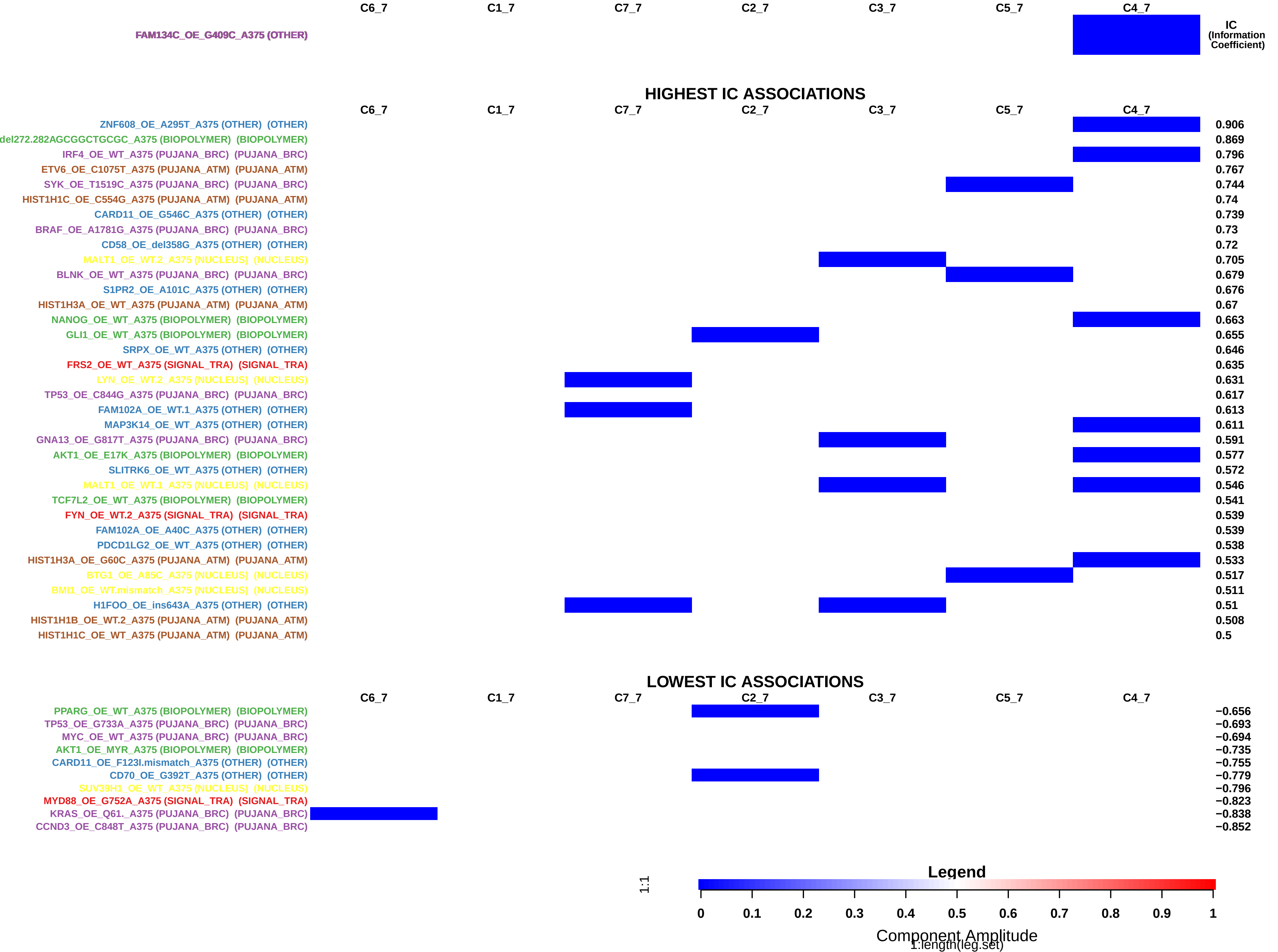


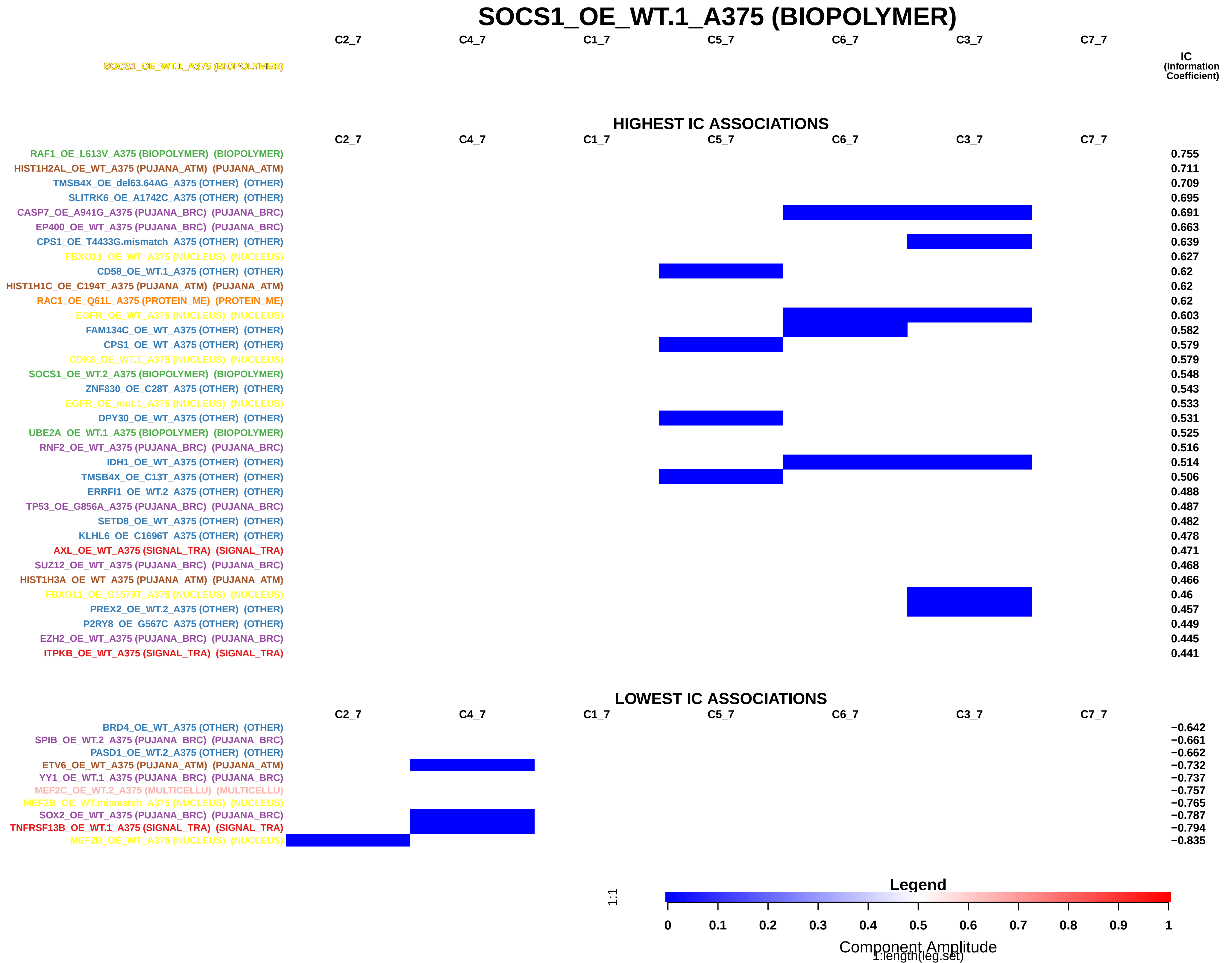
BCL10_OE_WT_A375 (NUCLEUS)



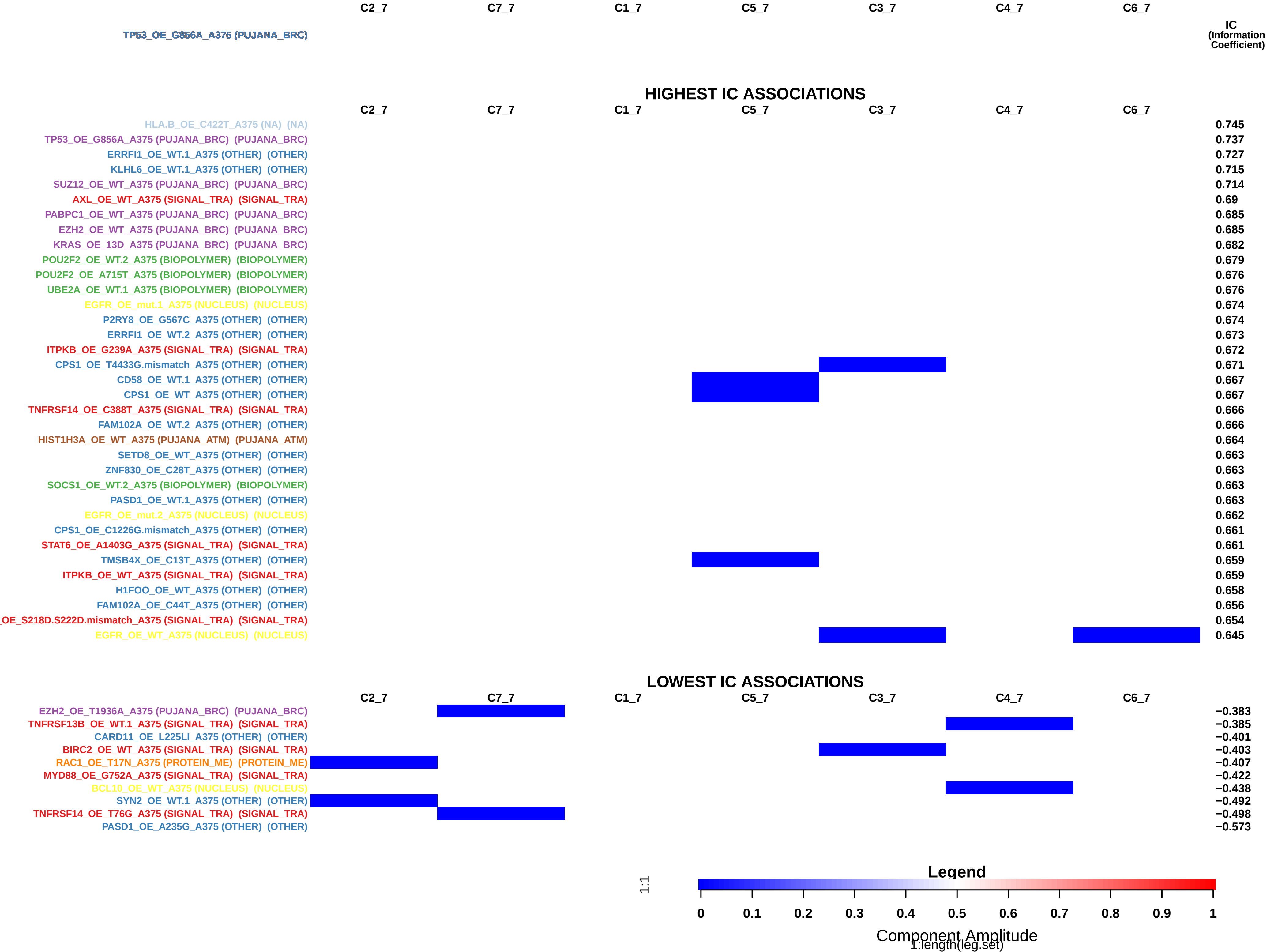

RHOA_OE_Q63L_A375 (SIGNAL_TRA)
C1_7
C3_7
C6_7
C7_7
C4_7
C2_7
C5_7
RHOA_OE_Q63L_A375 (SIGNAL_TRA)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
CD40_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.892
YY1_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.881
IKBKG_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.868
NOTCH1_OE_ICN1.2_A375 (NUCLEUS) (NUCLEUS) 0.867
MAP3K14_OE_WT_A375 (OTHER) (OTHER) 0.846
LYN_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.827
BCL6_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.825
HCRED_OE_CTRL_A375 (OTHER) (OTHER) 0.798
ERG_OE_truncated_A375 (NUCLEUS) (NUCLEUS) 0.782
LCK_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.781
BTK_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.772
RKCE_OE_K437R.mismatch_A375 (BIOPOLYMER) (BIOPOLYMER) 0.772
CTNNB1_OE_S33A.S37A.T41A.T45A_A375 (OTHER) (OTHER) 0.763
BCL6_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.742
GLI1_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.74
NOTCH1_OE_ICN1.1_A375 (NUCLEUS) (NUCLEUS) 0.739
SPIB_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) 0.739
RAC1_OE_T17N_A375 (PROTEIN_ME) (PROTEIN_ME) 0.72
BRAF_OE_V600E_A375 (PUJANA_BRC) (PUJANA_BRC) 0.705
TNF_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.696
S1PR2_OE_T215C_A375 (OTHER) (OTHER) 0.693
SRC_OE_Y527F_A375 (PROTEIN_ME) (PROTEIN_ME) 0.687
PDCD1LG2_OE_WT_A375 (OTHER) (OTHER) 0.681
FRS2_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.668
B2M_OE_T2C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.666
PRKCA_OE_K368R_A375 (PUJANA_BRC) (PUJANA_BRC) 0.661
BLNK_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.651
RAC1_OE_Q61L_A375 (PROTEIN_ME) (PROTEIN_ME) 0.648
KLHL6_OE_C1696T_A375 (OTHER) (OTHER) 0.644
TNFRSF17_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.643
ERG_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.641
BCL10_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.64
ZNF830_OE_A37G_A375 (OTHER) (OTHER) 0.634
HIST1H1B_OE_G266C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.633
HIST1H3B_OE_G260A_A375 (PUJANA_ATM) (PUJANA_ATM) 0.629
LOWEST IC ASSOCIATIONS
SETDB1_OE_WT_A375 (OTHER) (OTHER) −0.511
KRAS_OE_G38A_A375 (PUJANA_BRC) (PUJANA_BRC) −0.52
HRAS_OE_WT.mismatch_A375 (MULTICELLU) (MULTICELLU) −0.523
GABRA1_OE_C385A_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.534
CASP7_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) −0.54
BCR_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) −0.543
ACTB_OE_C77T_A375 (PUJANA_BRC) (PUJANA_BRC) −0.559
ACTB_OE_G59A_A375 (PUJANA_BRC) (PUJANA_BRC) −0.596
YAP1_OE_Y357F.2_A375 (OTHER) (OTHER) −0.632
S1PR2_OE_WT_A375 (OTHER) (OTHER) −0.686
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

FAM134C_OE_G409C_A375 (OTHER)

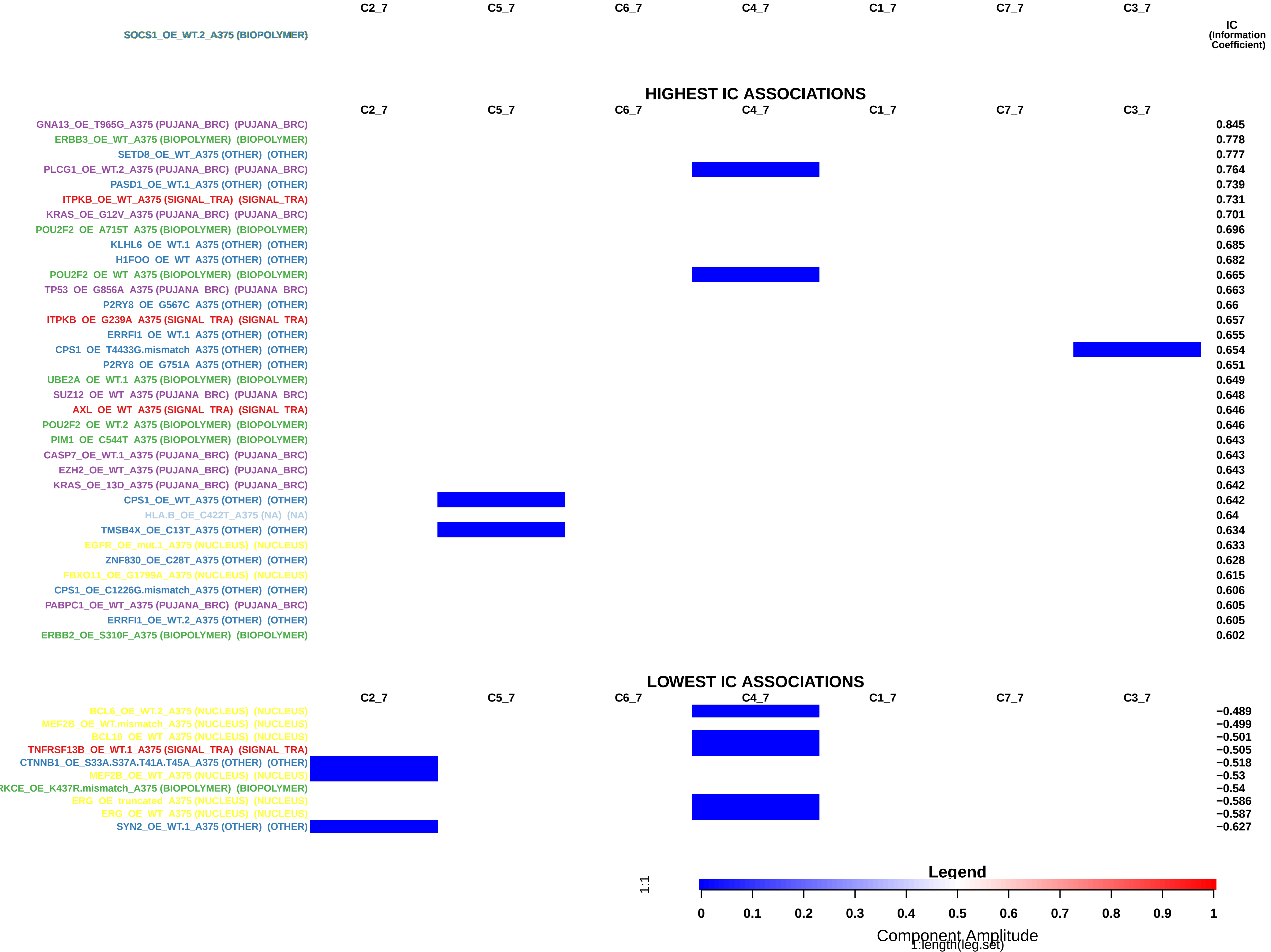



SOCS1_OE_WT.1_A375 (BIOPOLYMER)
C2_7
C4_7
C1_7
C5_7
C6_7
C3_7
C7_7
IC
(Information
Coefficient)
SOCS1_OE_WT.1_A375 (BIOPOLYMER)
HIGHEST IC ASSOCIATIONS
C2_7
C4_7
C1_7
C5_7
C6_7
C3_7
C7_7
RAF1_OE_L613V_A375 (BIOPOLYMER) (BIOPOLYMER) 0.755
HIST1H2AL_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.711
TMSB4X_OE_del63.64AG_A375 (OTHER) (OTHER) 0.709
SLITRK6_OE_A1742C_A375 (OTHER) (OTHER) 0.695
CASP7_OE_A941G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.691
EP400_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.663
CPS1_OE_T4433G.mismatch_A375 (OTHER) (OTHER) 0.639
FBXO11_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.627
CD58_OE_WT.1_A375 (OTHER) (OTHER) 0.62
HIST1H1C_OE_C194T_A375 (PUJANA_ATM) (PUJANA_ATM) 0.62
RAC1_OE_Q61L_A375 (PROTEIN_ME) (PROTEIN_ME) 0.62
EGFR_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.603
FAM134C_OE_WT_A375 (OTHER) (OTHER) 0.582
CPS1_OE_WT_A375 (OTHER) (OTHER) 0.579
CDK8_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.579
SOCS1_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.548
ZNF830_OE_C28T_A375 (OTHER) (OTHER) 0.543
EGFR_OE_mut.1_A375 (NUCLEUS) (NUCLEUS) 0.533
DPY30_OE_WT_A375 (OTHER) (OTHER) 0.531
UBE2A_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) 0.525
RNF2_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.516
IDH1_OE_WT_A375 (OTHER) (OTHER) 0.514
TMSB4X_OE_C13T_A375 (OTHER) (OTHER) 0.506
ERRFI1_OE_WT.2_A375 (OTHER) (OTHER) 0.488
TP53_OE_G856A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.487
SETD8_OE_WT_A375 (OTHER) (OTHER) 0.482
KLHL6_OE_C1696T_A375 (OTHER) (OTHER) 0.478
AXL_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.471
SUZ12_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.468
HIST1H3A_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.466
FBXO11_OE_G1579T_A375 (NUCLEUS) (NUCLEUS) 0.46
PREX2_OE_WT.2_A375 (OTHER) (OTHER) 0.457
P2RY8_OE_G567C_A375 (OTHER) (OTHER) 0.449
EZH2_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.445
ITPKB_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.441
LOWEST IC ASSOCIATIONS
C2_7
C4_7
C1_7
C5_7
C6_7
C3_7
C7_7
BRD4_OE_WT_A375 (OTHER) (OTHER) −0.642
SPIB_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) −0.661
PASD1_OE_WT.2_A375 (OTHER) (OTHER) −0.662
ETV6_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) −0.732
YY1_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) −0.737
MEF2C_OE_WT.2_A375 (MULTICELLU) (MULTICELLU) −0.757
MEF2B_OE_WT.mismatch_A375 (NUCLEUS) (NUCLEUS) −0.765
SOX2_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) −0.787
TNFRSF13B_OE_WT.1_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.794
MEF2B_OE_WT_A375 (NUCLEUS) (NUCLEUS) −0.835
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

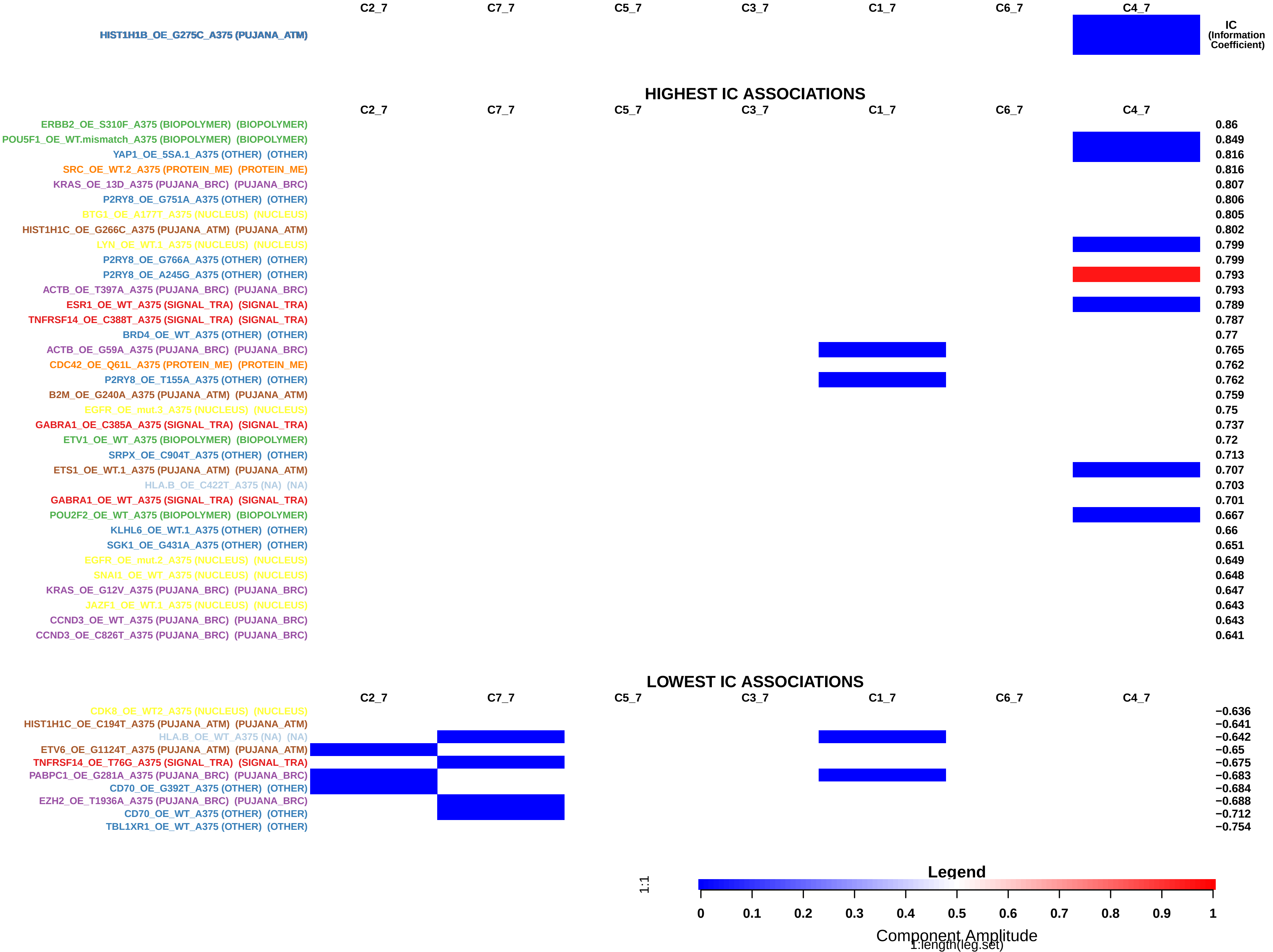
TP53_OE_G856A_A375 (PUJANA_BRC)



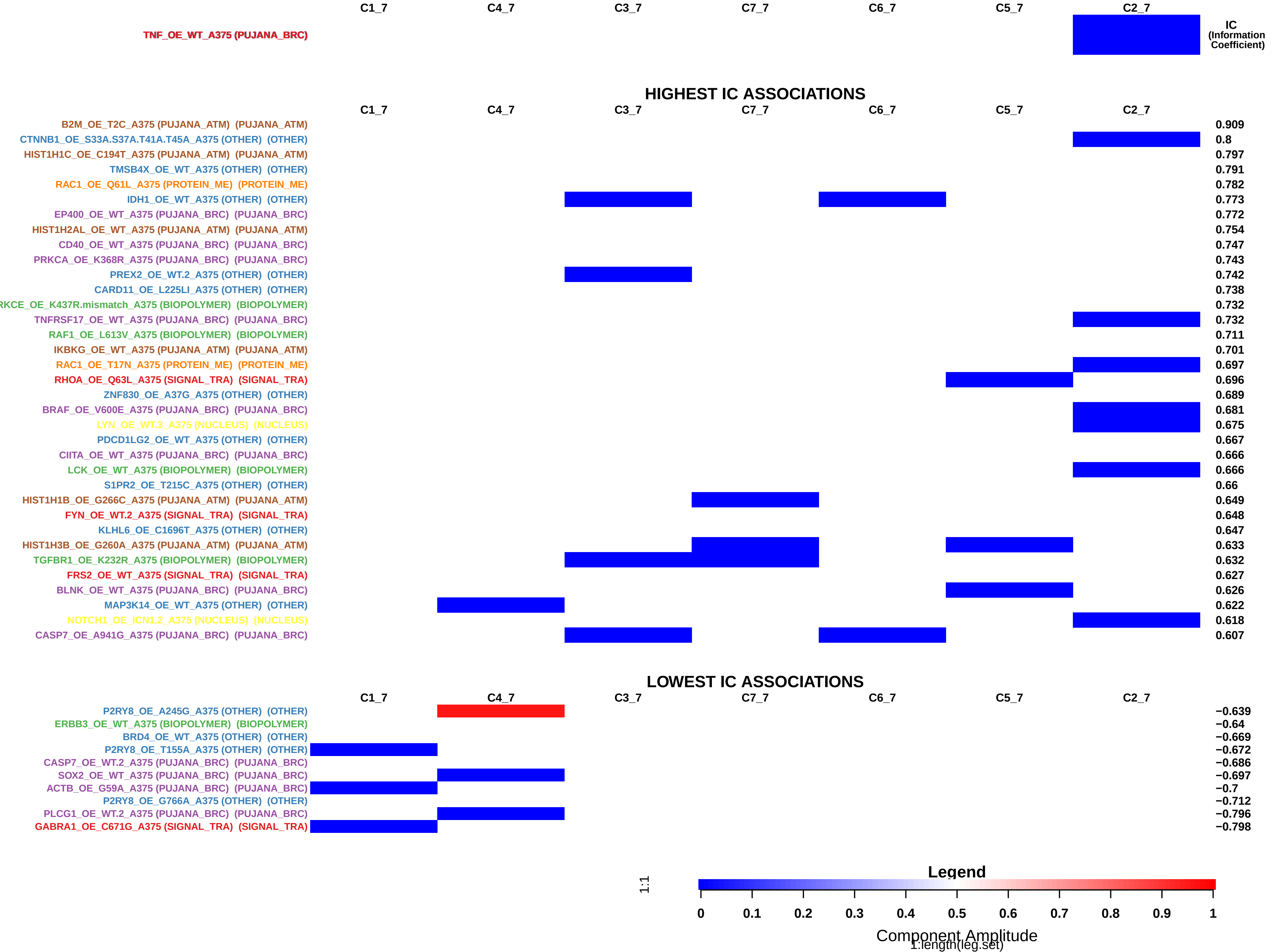
SOCS1_OE_WT.2_A375 (BIOPOLYMER)



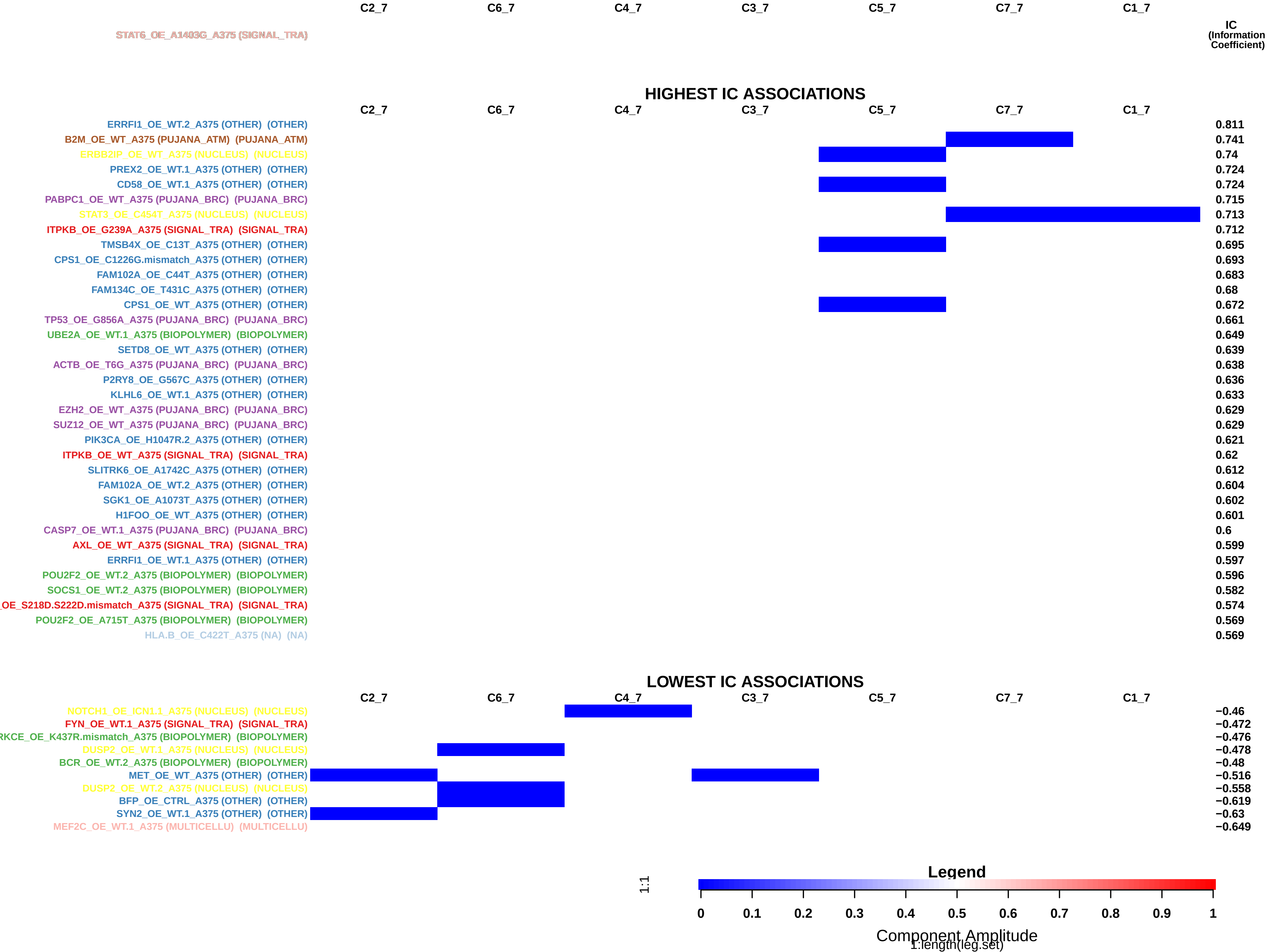
HIST1H1B_OE_G275C_A375 (PUJANA_ATM)



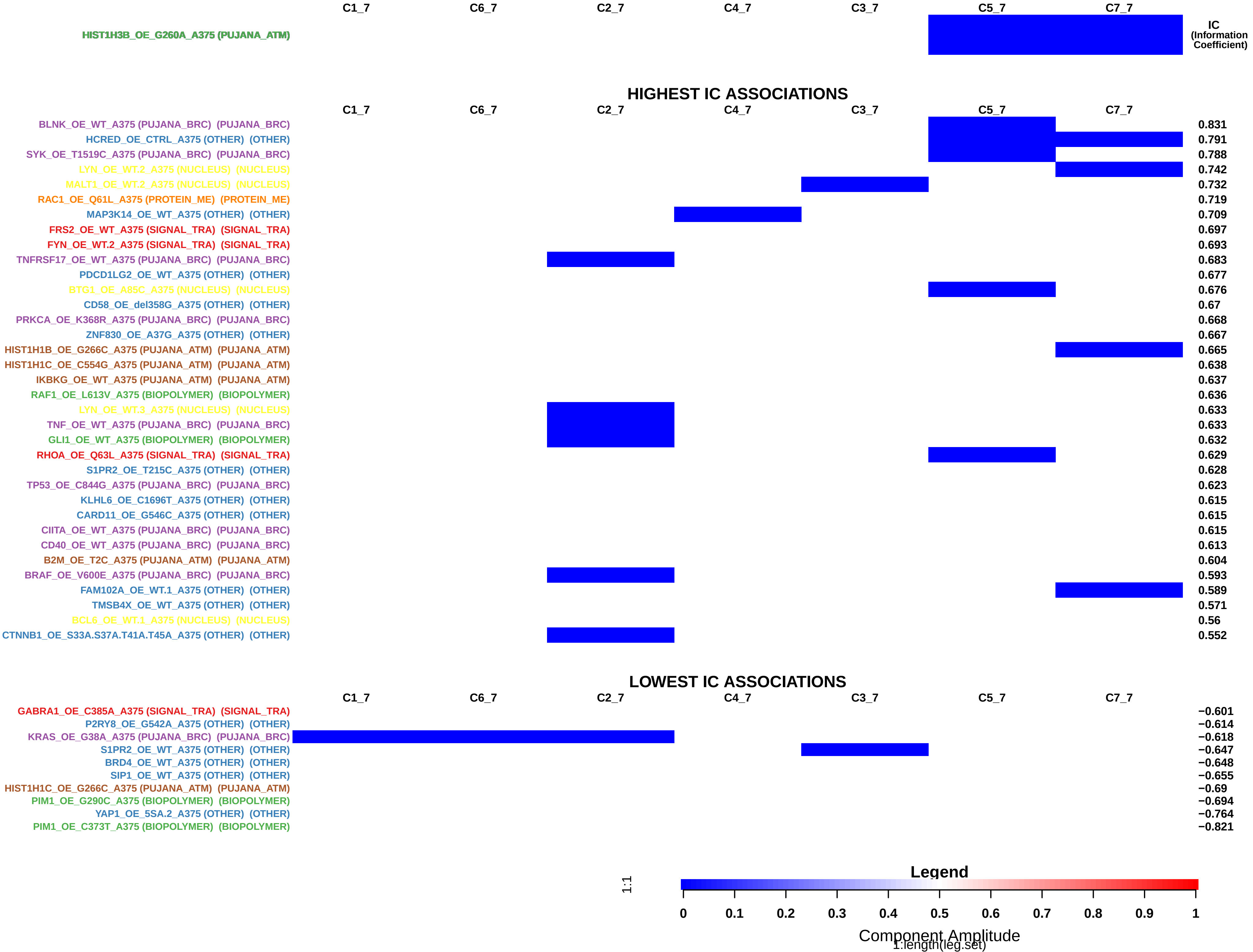
TNF_OE_WT_A375 (PUJANA_BRC)



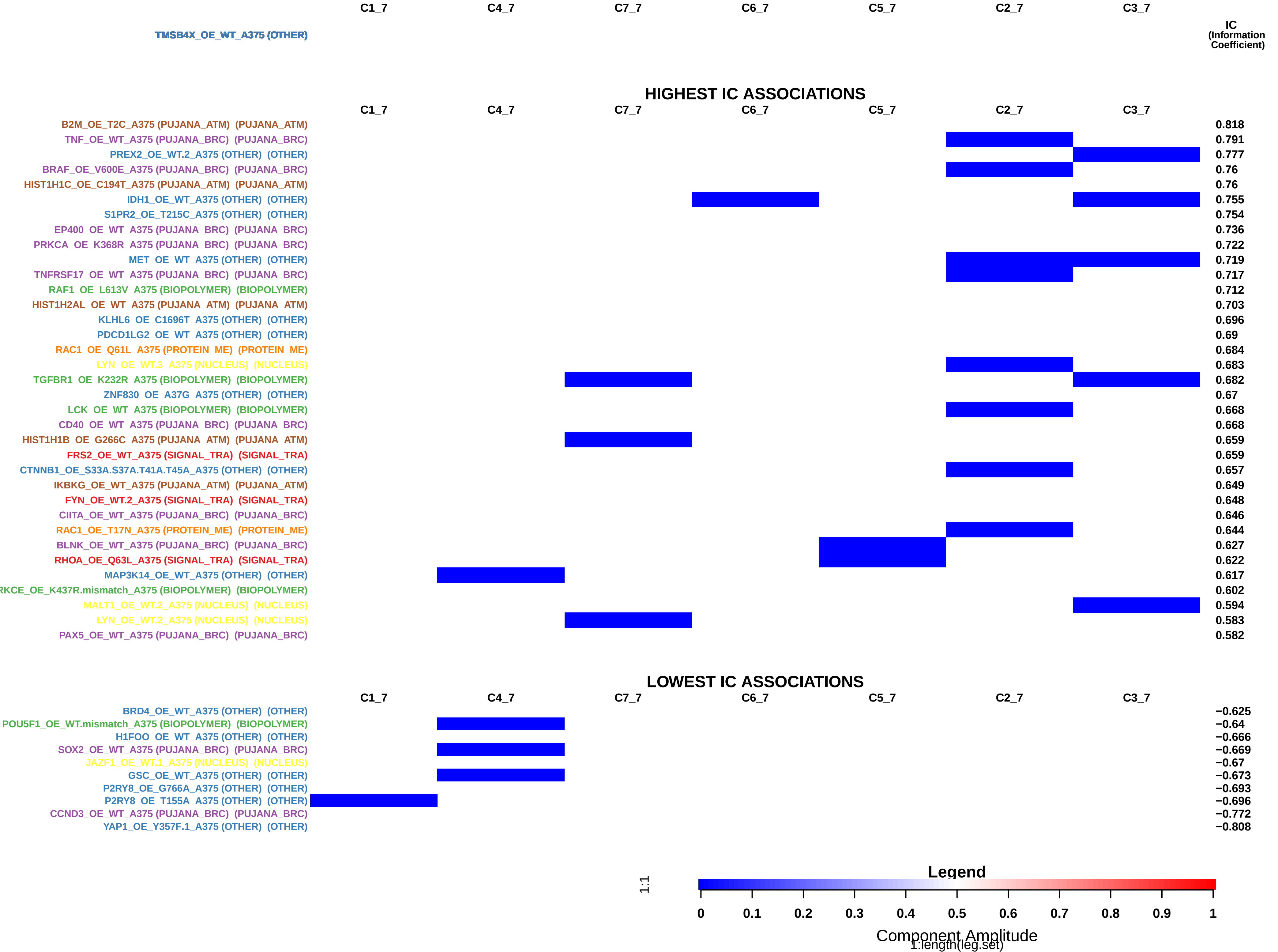
STAT6_OE_A1403G_A375 (SIGNAL_TRA)



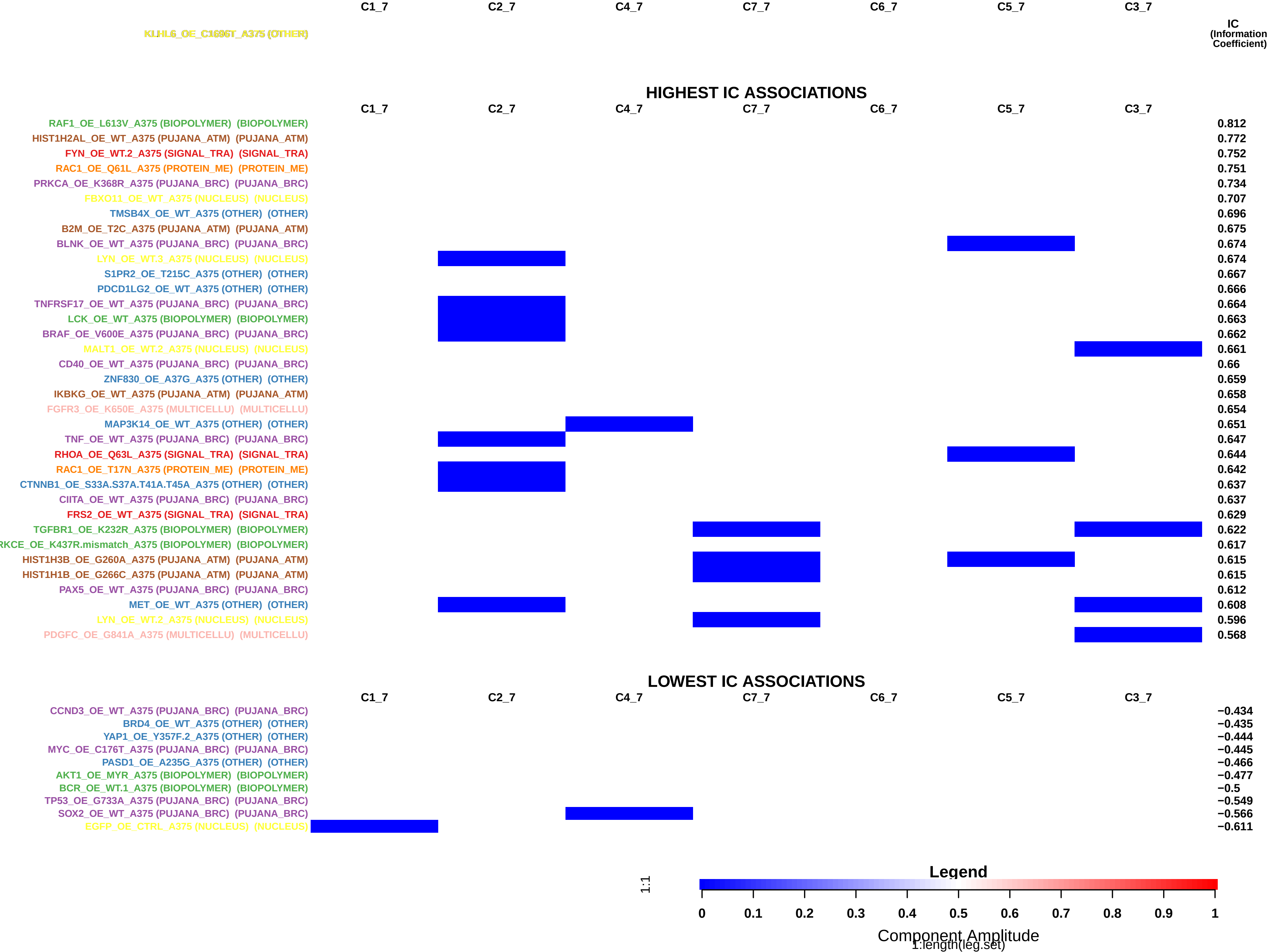
HIST1H3B_OE_G260A_A375 (PUJANA_ATM)



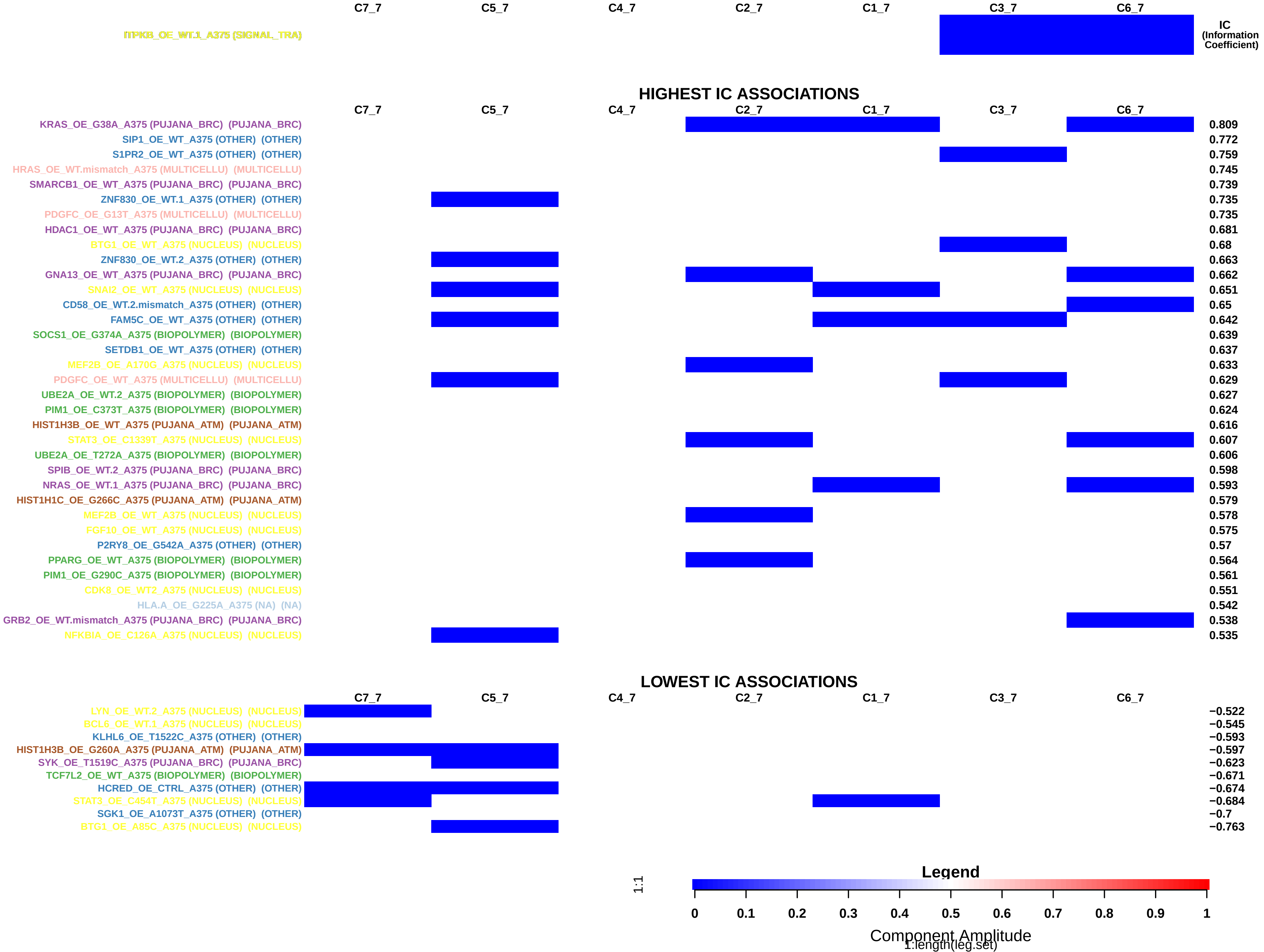
TMSB4X_OE_WT_A375 (OTHER)



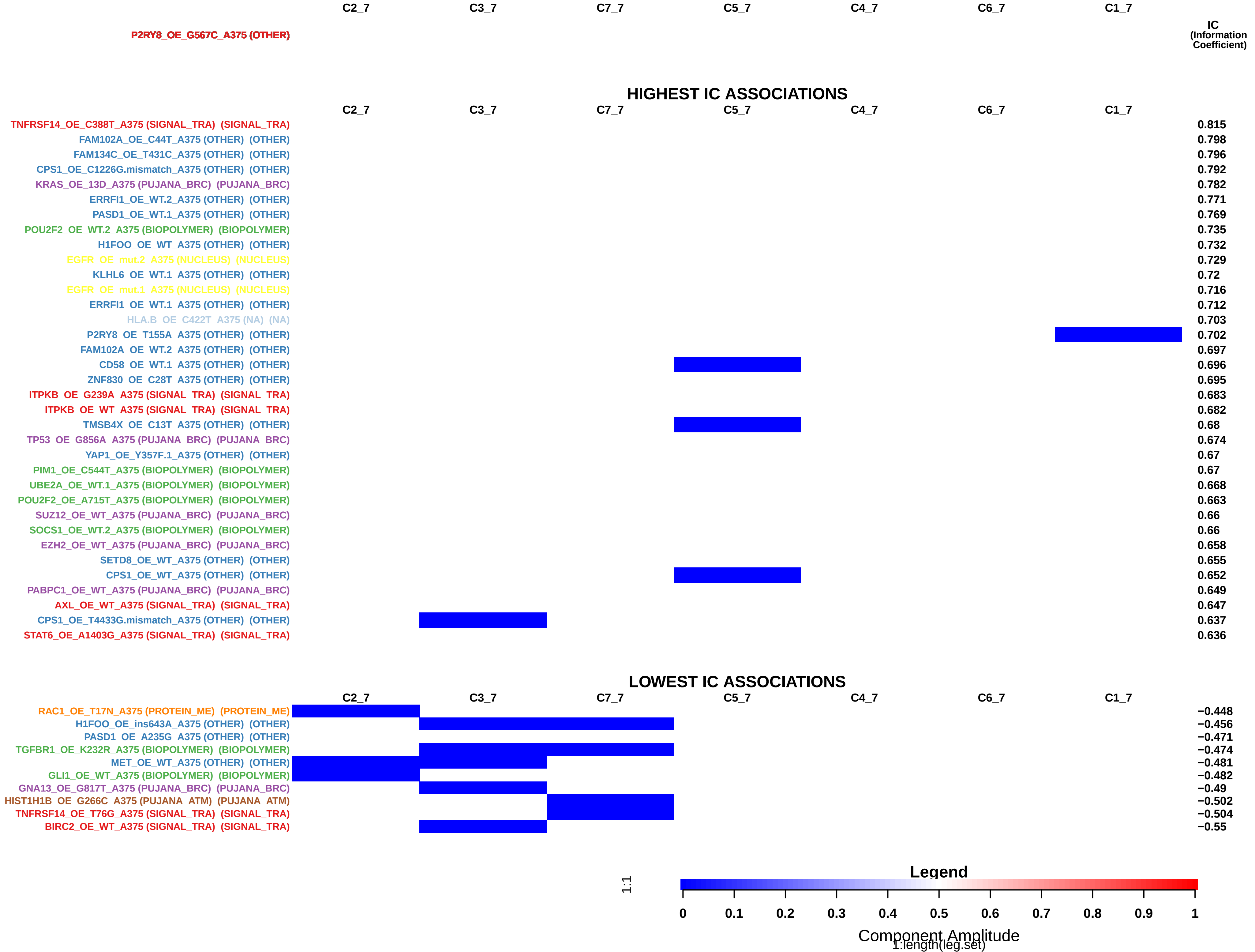
KLHL6_OE_C1696T_A375 (OTHER)



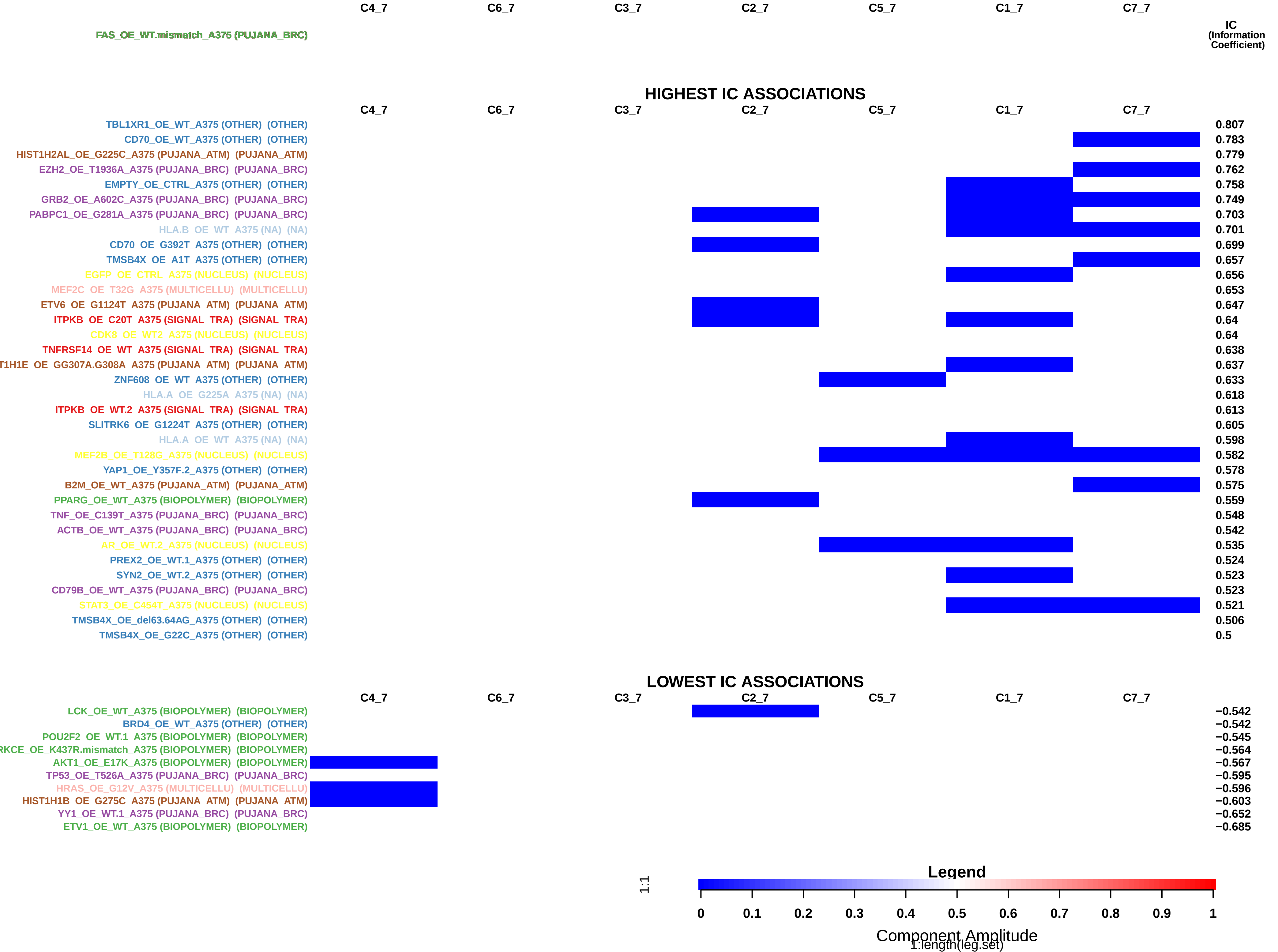
ITPKB_OE_WT.1_A375 (SIGNAL_TRA)



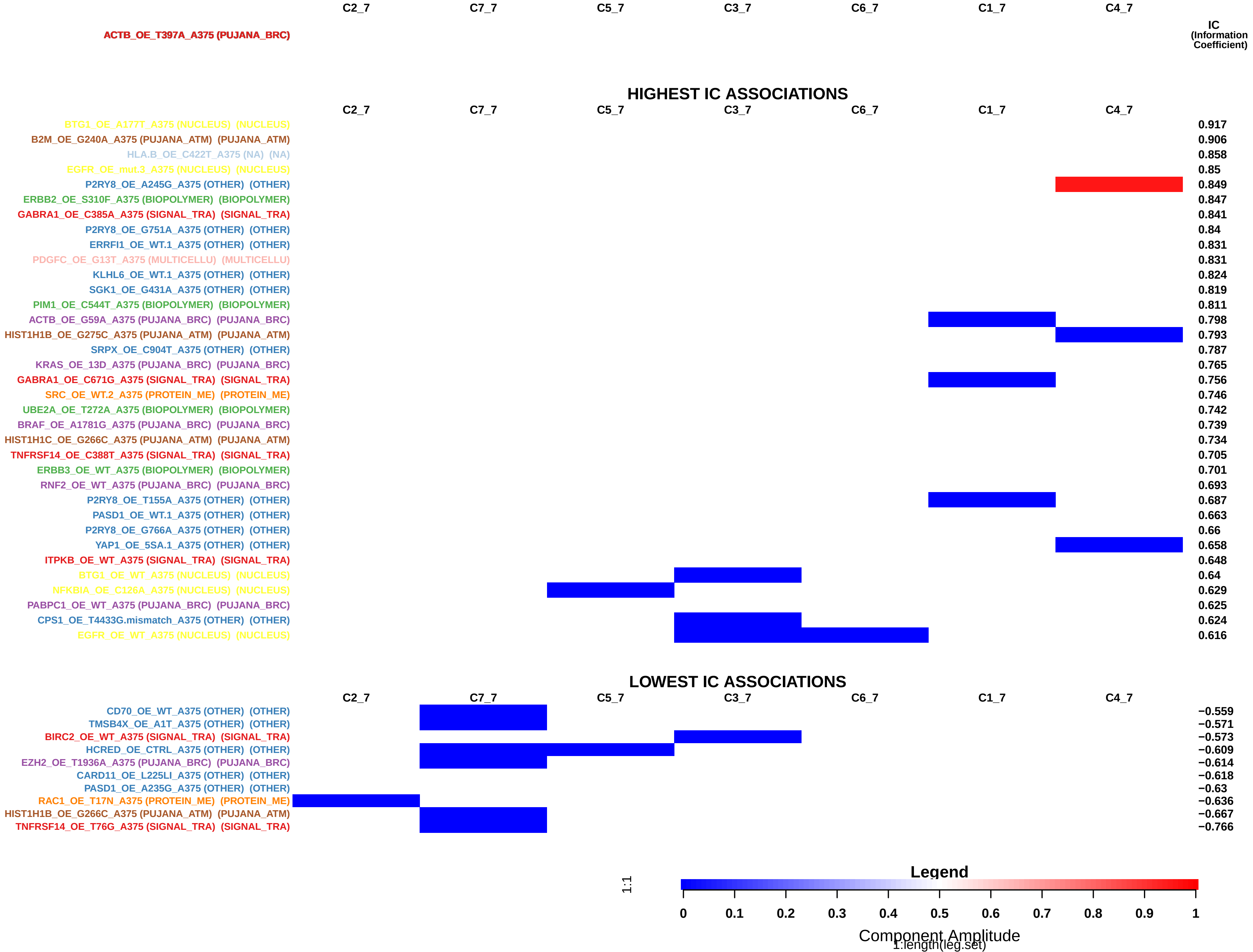
P2RY8_OE_G567C_A375 (OTHER)

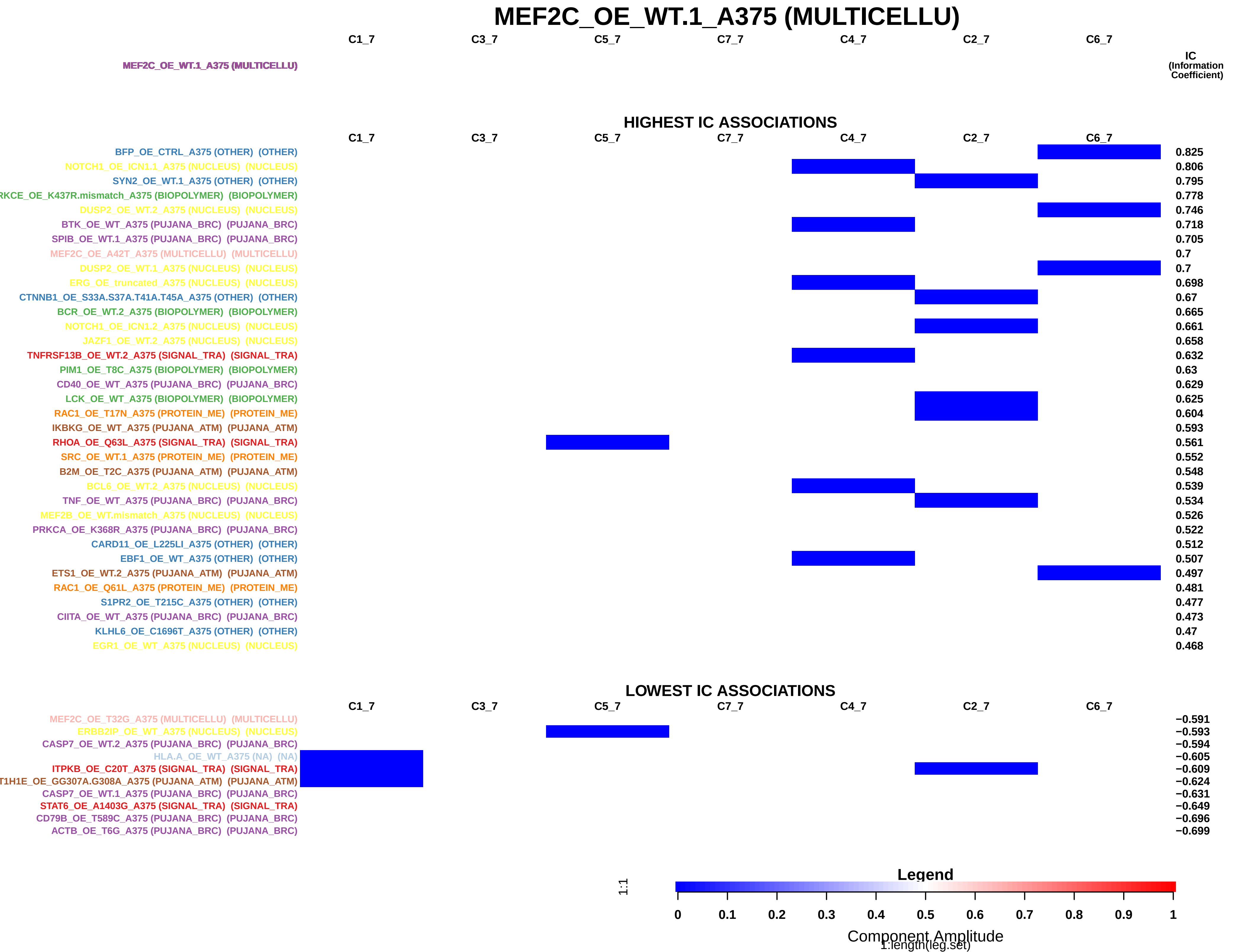


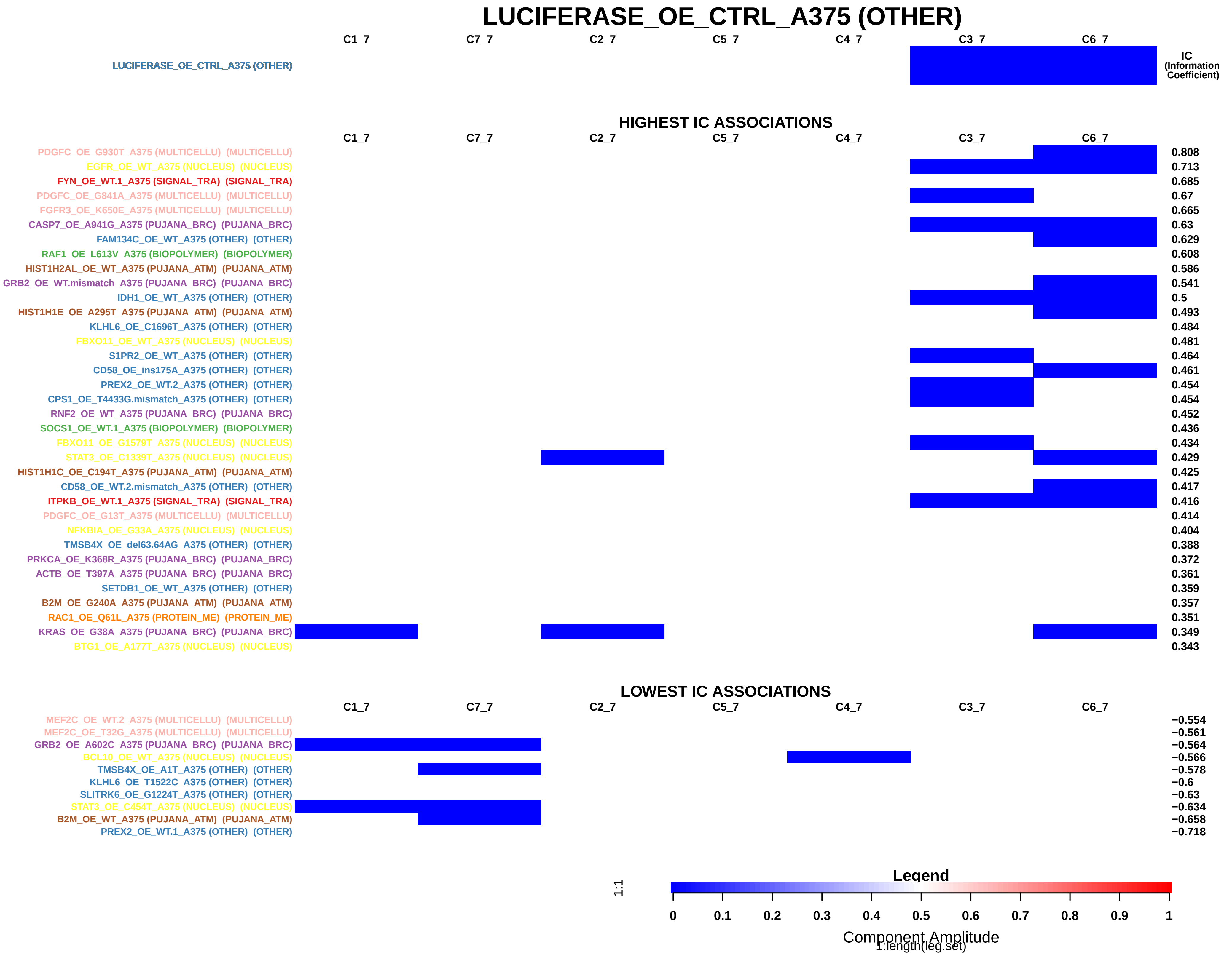
FAS_OE_WT.mismatch_A375 (PUJANA_BRC)



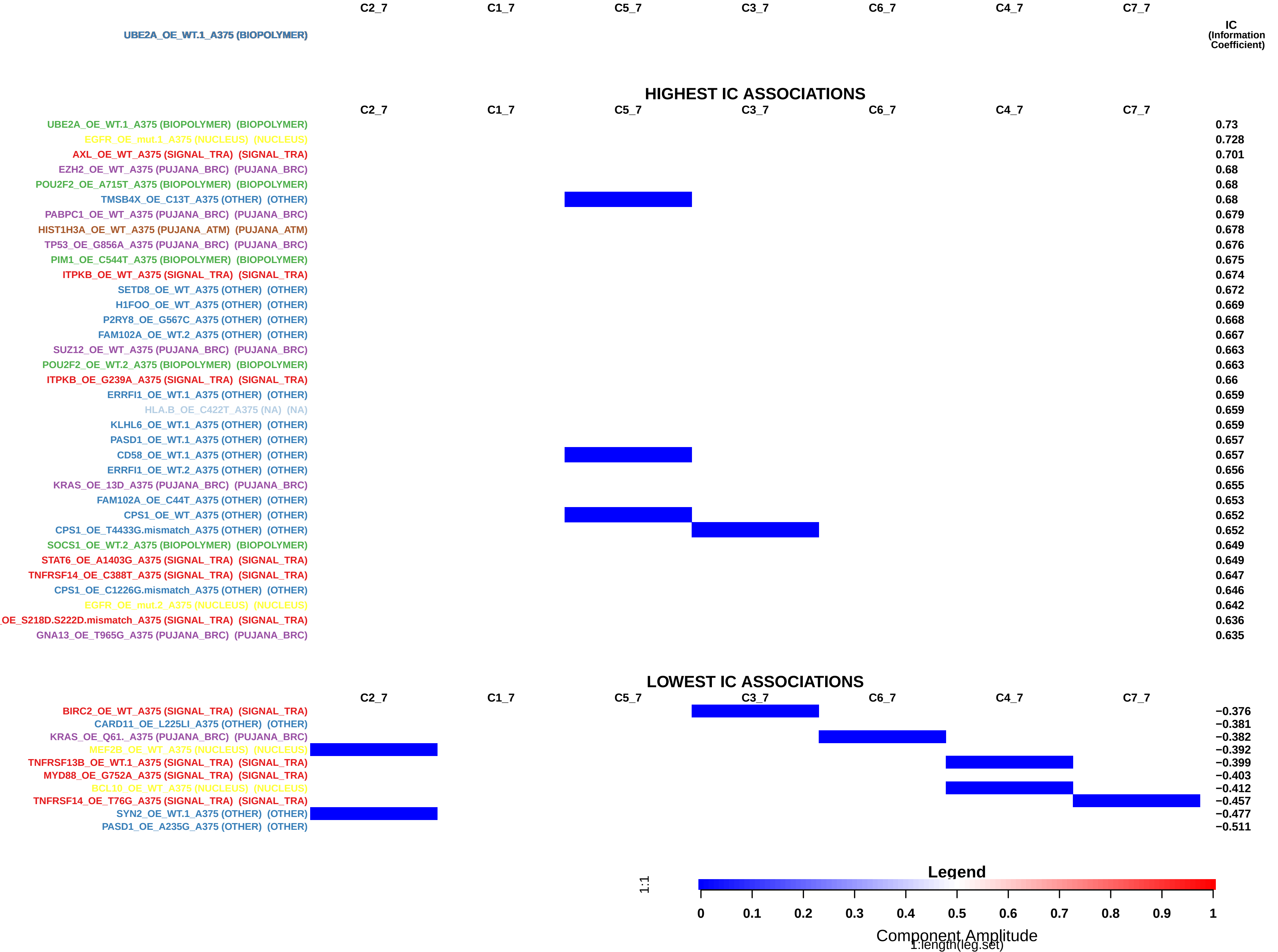
ACTB_OE_T397A_A375 (PUJANA_BRC)



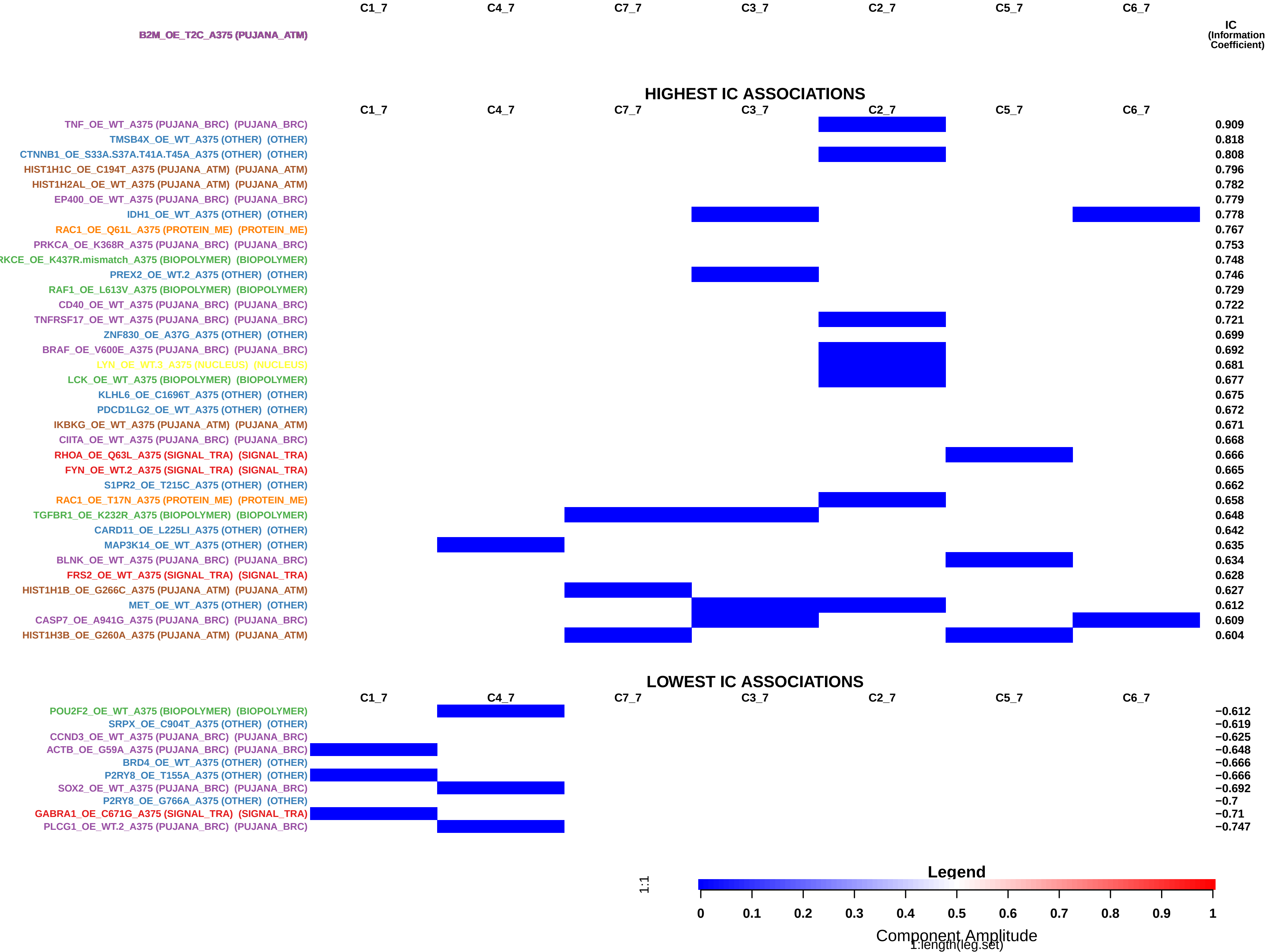

MEF2C_OE_WT.1_A375 (MULTICELLU)
C1_7
C3_7
C5_7
C7_7
C4_7
C2_7
C6_7
MEF2C_OE_WT.1_A375 (MULTICELLU)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
C1_7
C3_7
C5_7
C7_7
C4_7
C2_7
C6_7
BFP_OE_CTRL_A375 (OTHER) (OTHER) 0.825
NOTCH1_OE_ICN1.1_A375 (NUCLEUS) (NUCLEUS) 0.806
SYN2_OE_WT.1_A375 (OTHER) (OTHER) 0.795
RKCE_OE_K437R.mismatch_A375 (BIOPOLYMER) (BIOPOLYMER) 0.778
DUSP2_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.746
BTK_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.718
SPIB_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) 0.705
MEF2C_OE_A42T_A375 (MULTICELLU) (MULTICELLU) 0.7
DUSP2_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.7
ERG_OE_truncated_A375 (NUCLEUS) (NUCLEUS) 0.698
CTNNB1_OE_S33A.S37A.T41A.T45A_A375 (OTHER) (OTHER) 0.67
BCR_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.665
NOTCH1_OE_ICN1.2_A375 (NUCLEUS) (NUCLEUS) 0.661
JAZF1_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.658
TNFRSF13B_OE_WT.2_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.632
PIM1_OE_T8C_A375 (BIOPOLYMER) (BIOPOLYMER) 0.63
CD40_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.629
LCK_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.625
RAC1_OE_T17N_A375 (PROTEIN_ME) (PROTEIN_ME) 0.604
IKBKG_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.593
RHOA_OE_Q63L_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.561
SRC_OE_WT.1_A375 (PROTEIN_ME) (PROTEIN_ME) 0.552
B2M_OE_T2C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.548
BCL6_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.539
TNF_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.534
MEF2B_OE_WT.mismatch_A375 (NUCLEUS) (NUCLEUS) 0.526
PRKCA_OE_K368R_A375 (PUJANA_BRC) (PUJANA_BRC) 0.522
CARD11_OE_L225LI_A375 (OTHER) (OTHER) 0.512
EBF1_OE_WT_A375 (OTHER) (OTHER) 0.507
ETS1_OE_WT.2_A375 (PUJANA_ATM) (PUJANA_ATM) 0.497
RAC1_OE_Q61L_A375 (PROTEIN_ME) (PROTEIN_ME) 0.481
S1PR2_OE_T215C_A375 (OTHER) (OTHER) 0.477
CIITA_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.473
KLHL6_OE_C1696T_A375 (OTHER) (OTHER) 0.47
EGR1_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.468
LOWEST IC ASSOCIATIONS
C1_7
C3_7
C5_7
C7_7
C4_7
C2_7
C6_7
MEF2C_OE_T32G_A375 (MULTICELLU) (MULTICELLU) −0.591
ERBB2IP_OE_WT_A375 (NUCLEUS) (NUCLEUS) −0.593
CASP7_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) −0.594
HLA.A_OE_WT_A375 (NA) (NA) −0.605
ITPKB_OE_C20T_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.609
T1H1E_OE_GG307A.G308A_A375 (PUJANA_ATM) (PUJANA_ATM) −0.624
CASP7_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) −0.631
STAT6_OE_A1403G_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.649
CD79B_OE_T589C_A375 (PUJANA_BRC) (PUJANA_BRC) −0.696
ACTB_OE_T6G_A375 (PUJANA_BRC) (PUJANA_BRC) −0.699
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)


LUCIFERASE_OE_CTRL_A375 (OTHER)
C1_7
C7_7
C2_7
C5_7
C4_7
C3_7
C6_7
LUCIFERASE_OE_CTRL_A375 (OTHER)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
PDGFC_OE_G930T_A375 (MULTICELLU) (MULTICELLU) 0.808
EGFR_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.713
FYN_OE_WT.1_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.685
PDGFC_OE_G841A_A375 (MULTICELLU) (MULTICELLU) 0.67
FGFR3_OE_K650E_A375 (MULTICELLU) (MULTICELLU) 0.665
CASP7_OE_A941G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.63
FAM134C_OE_WT_A375 (OTHER) (OTHER) 0.629
RAF1_OE_L613V_A375 (BIOPOLYMER) (BIOPOLYMER) 0.608
HIST1H2AL_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.586
GRB2_OE_WT.mismatch_A375 (PUJANA_BRC) (PUJANA_BRC) 0.541
IDH1_OE_WT_A375 (OTHER) (OTHER) 0.5
HIST1H1E_OE_A295T_A375 (PUJANA_ATM) (PUJANA_ATM) 0.493
KLHL6_OE_C1696T_A375 (OTHER) (OTHER) 0.484
FBXO11_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.481
S1PR2_OE_WT_A375 (OTHER) (OTHER) 0.464
CD58_OE_ins175A_A375 (OTHER) (OTHER) 0.461
PREX2_OE_WT.2_A375 (OTHER) (OTHER) 0.454
CPS1_OE_T4433G.mismatch_A375 (OTHER) (OTHER) 0.454
RNF2_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.452
SOCS1_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) 0.436
FBXO11_OE_G1579T_A375 (NUCLEUS) (NUCLEUS) 0.434
STAT3_OE_C1339T_A375 (NUCLEUS) (NUCLEUS) 0.429
HIST1H1C_OE_C194T_A375 (PUJANA_ATM) (PUJANA_ATM) 0.425
CD58_OE_WT.2.mismatch_A375 (OTHER) (OTHER) 0.417
ITPKB_OE_WT.1_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.416
PDGFC_OE_G13T_A375 (MULTICELLU) (MULTICELLU) 0.414
NFKBIA_OE_G33A_A375 (NUCLEUS) (NUCLEUS) 0.404
TMSB4X_OE_del63.64AG_A375 (OTHER) (OTHER) 0.388
PRKCA_OE_K368R_A375 (PUJANA_BRC) (PUJANA_BRC) 0.372
ACTB_OE_T397A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.361
SETDB1_OE_WT_A375 (OTHER) (OTHER) 0.359
B2M_OE_G240A_A375 (PUJANA_ATM) (PUJANA_ATM) 0.357
RAC1_OE_Q61L_A375 (PROTEIN_ME) (PROTEIN_ME) 0.351
KRAS_OE_G38A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.349
BTG1_OE_A177T_A375 (NUCLEUS) (NUCLEUS) 0.343
LOWEST IC ASSOCIATIONS
MEF2C_OE_WT.2_A375 (MULTICELLU) (MULTICELLU) −0.554
MEF2C_OE_T32G_A375 (MULTICELLU) (MULTICELLU) −0.561
GRB2_OE_A602C_A375 (PUJANA_BRC) (PUJANA_BRC) −0.564
BCL10_OE_WT_A375 (NUCLEUS) (NUCLEUS) −0.566
TMSB4X_OE_A1T_A375 (OTHER) (OTHER) −0.578
KLHL6_OE_T1522C_A375 (OTHER) (OTHER) −0.6
SLITRK6_OE_G1224T_A375 (OTHER) (OTHER) −0.63
STAT3_OE_C454T_A375 (NUCLEUS) (NUCLEUS) −0.634
B2M_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) −0.658
PREX2_OE_WT.1_A375 (OTHER) (OTHER) −0.718
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

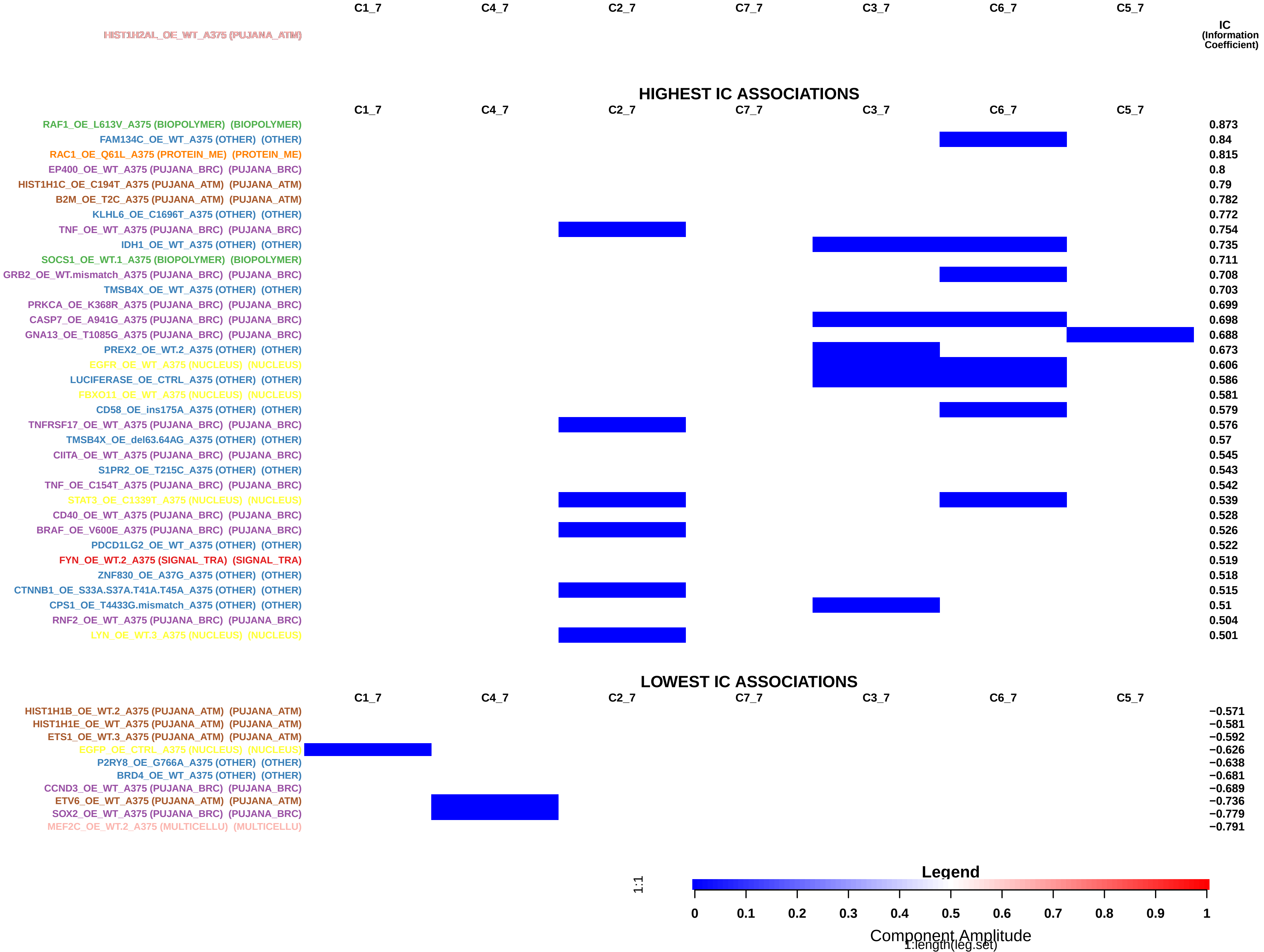
UBE2A_OE_WT.1_A375 (BIOPOLYMER)



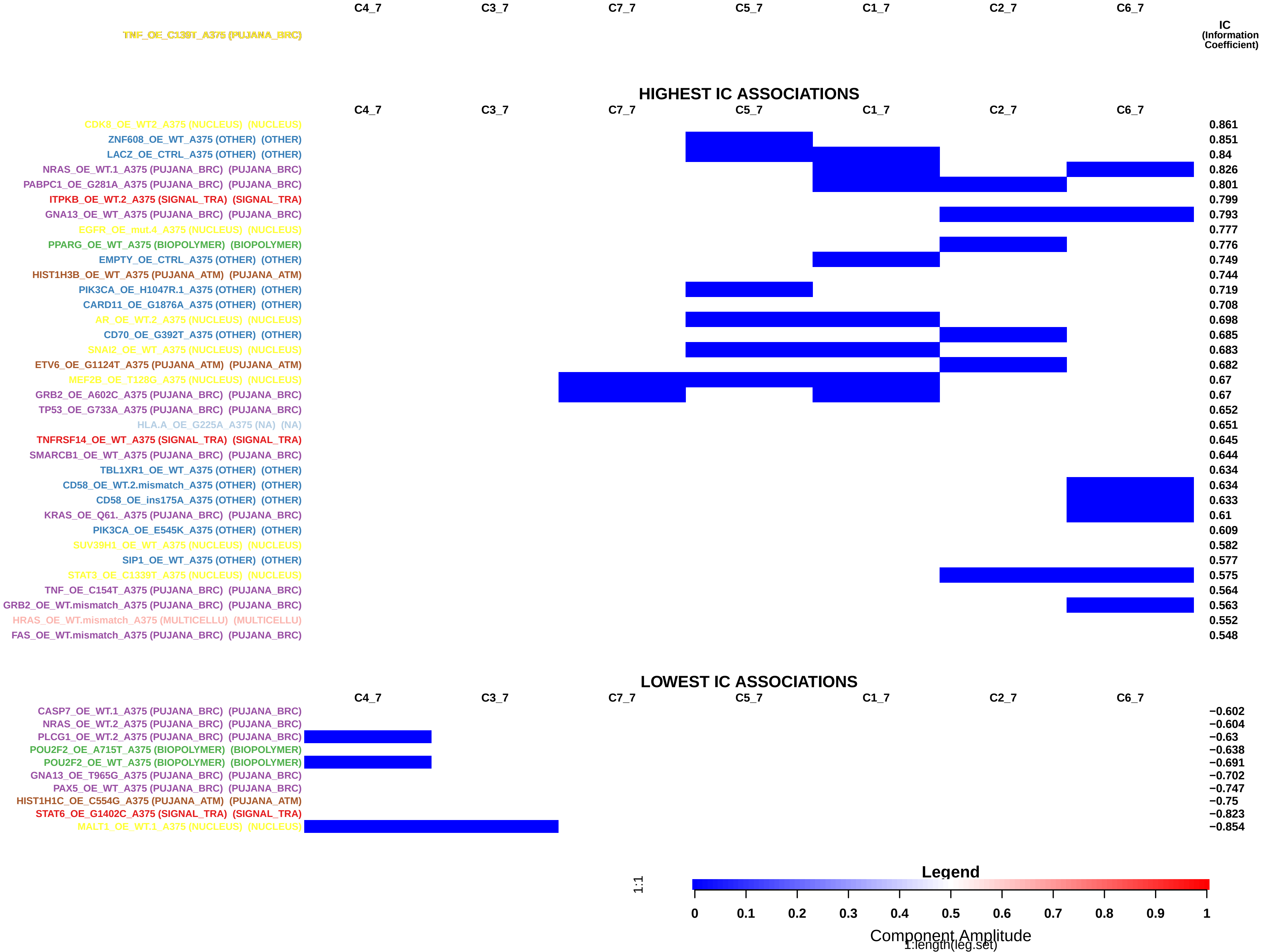
B2M_OE_T2C_A375 (PUJANA_ATM)



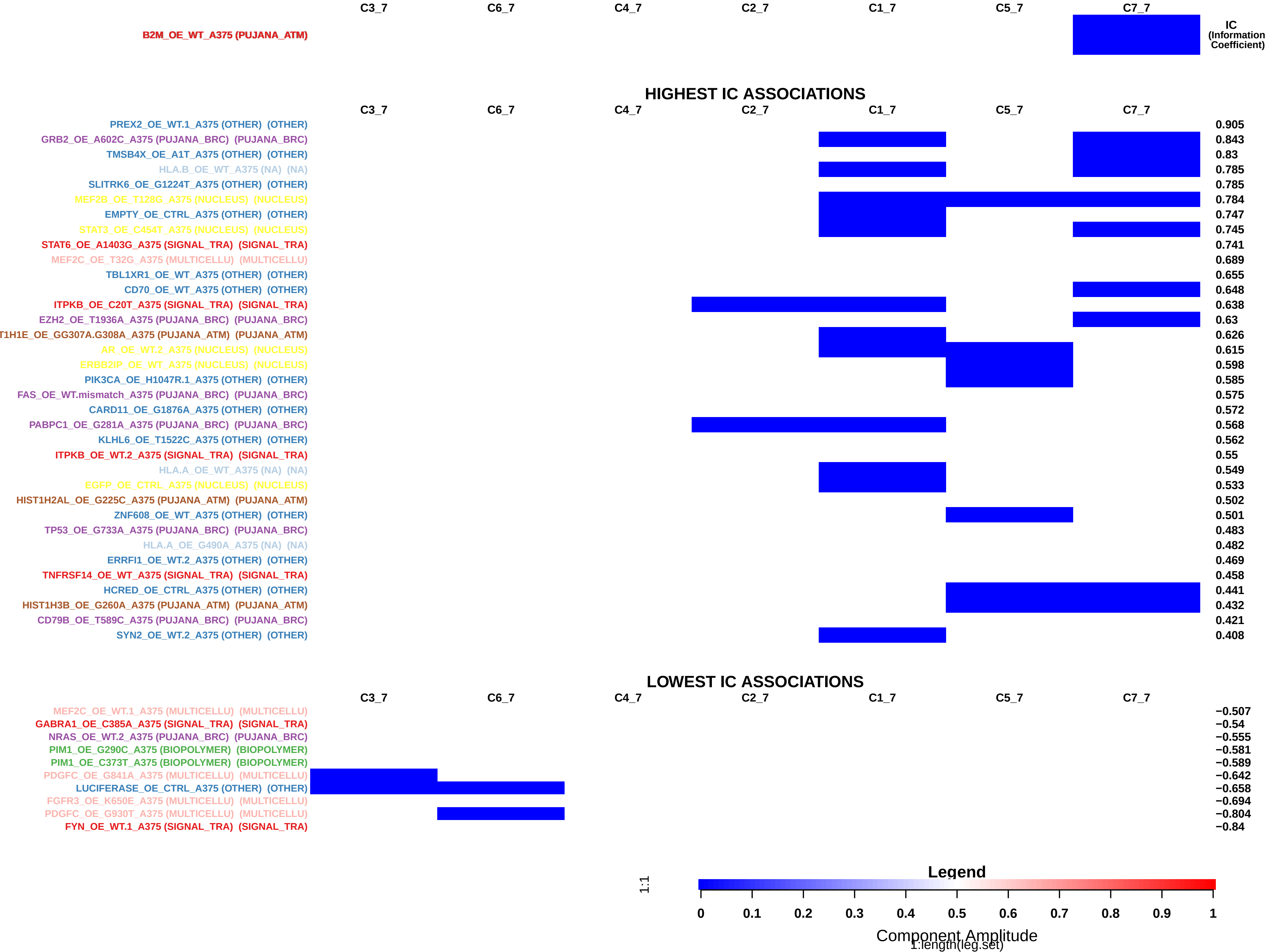
HIST1H2AL_OE_WT_A375 (PUJANA_ATM)

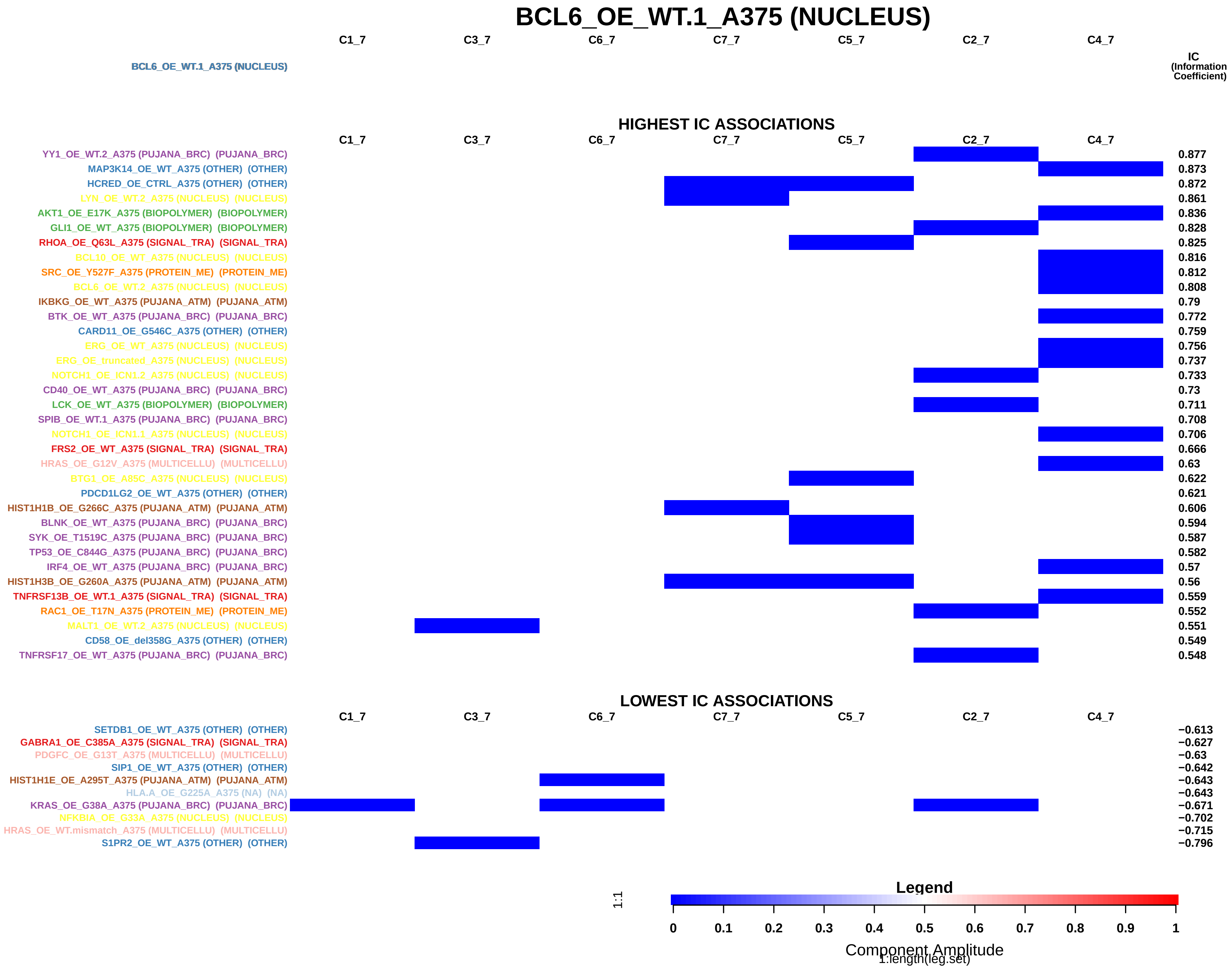


TNF_OE_C139T_A375 (PUJANA_BRC)

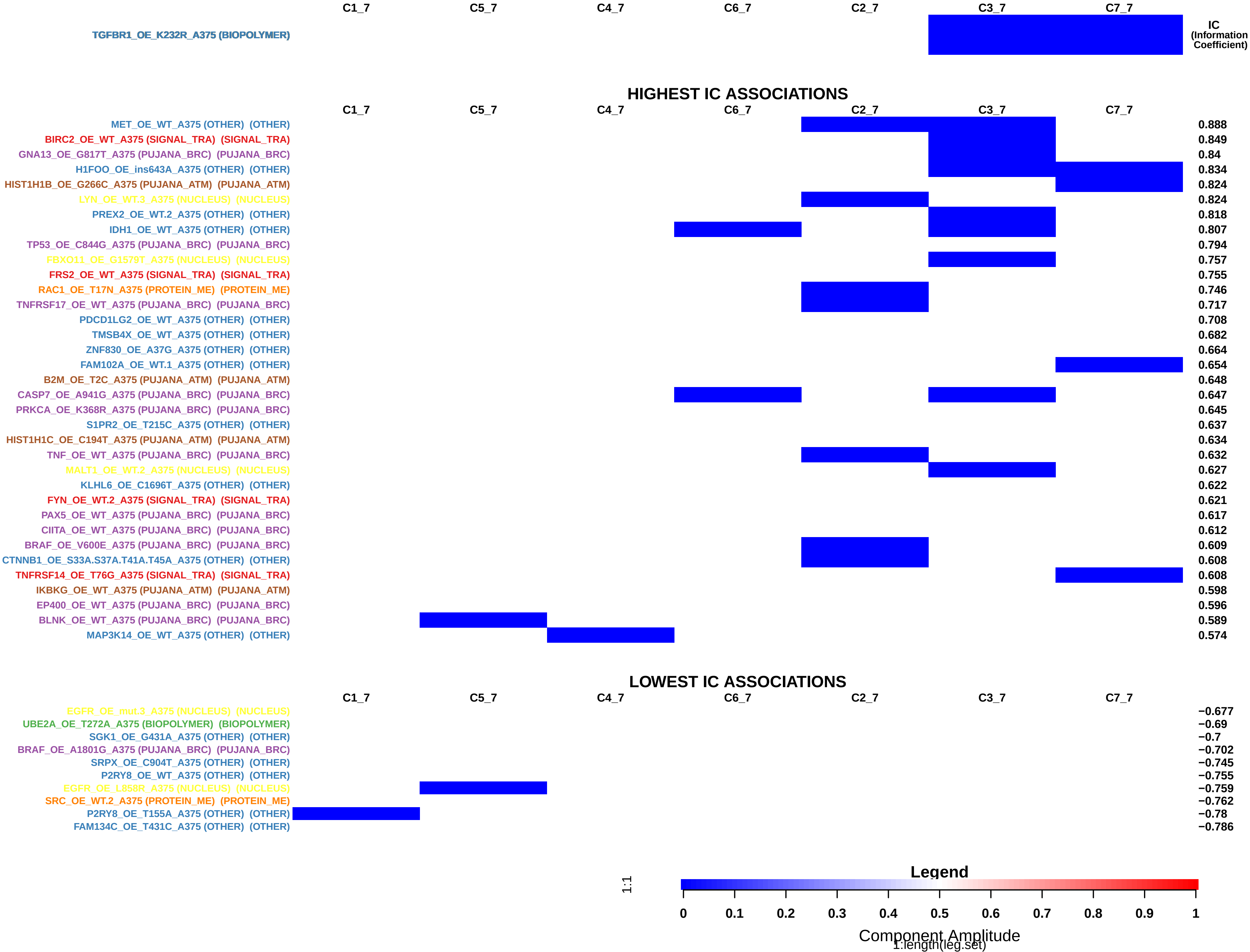


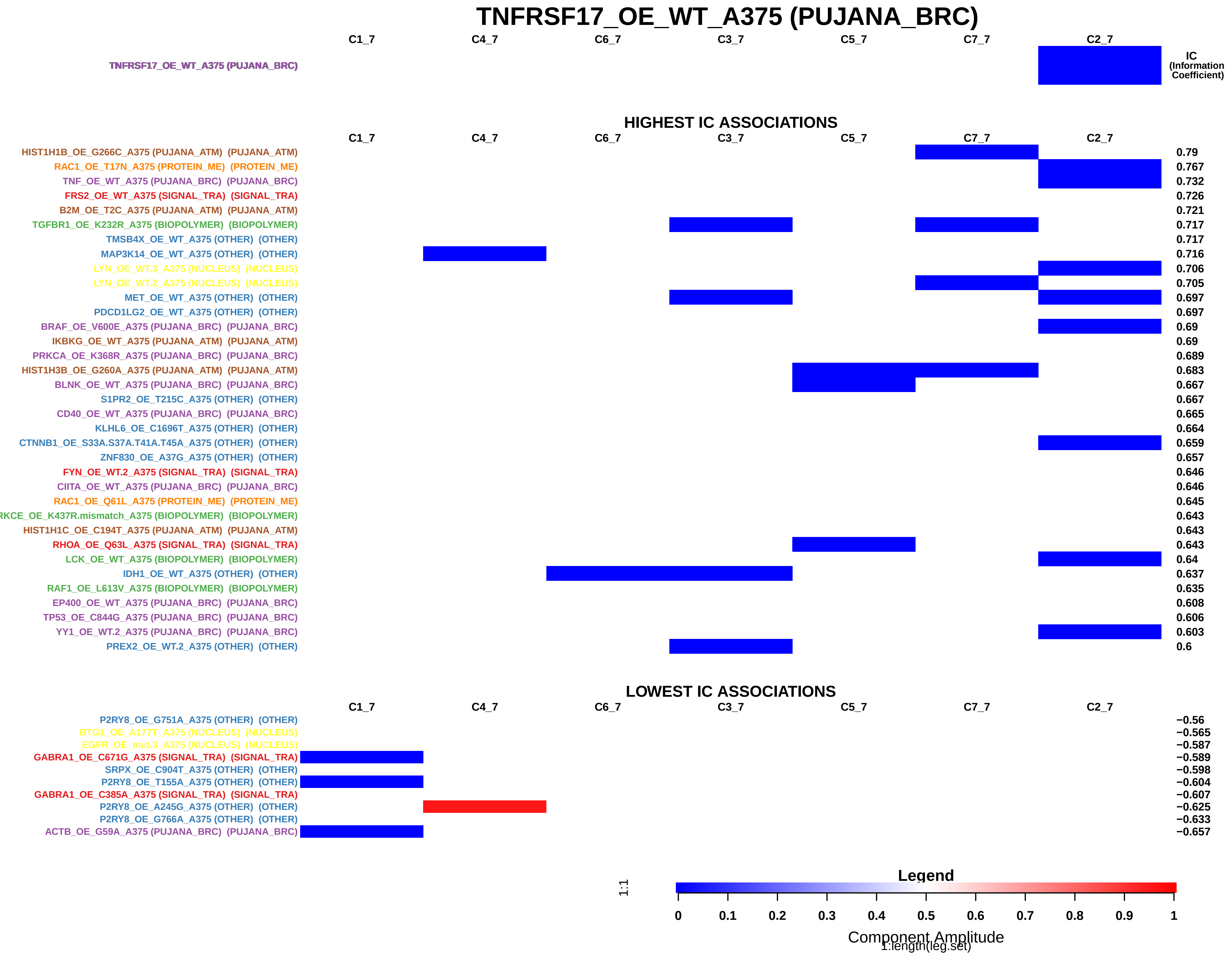
B2M_OE_WT_A375 (PUJANA_ATM)



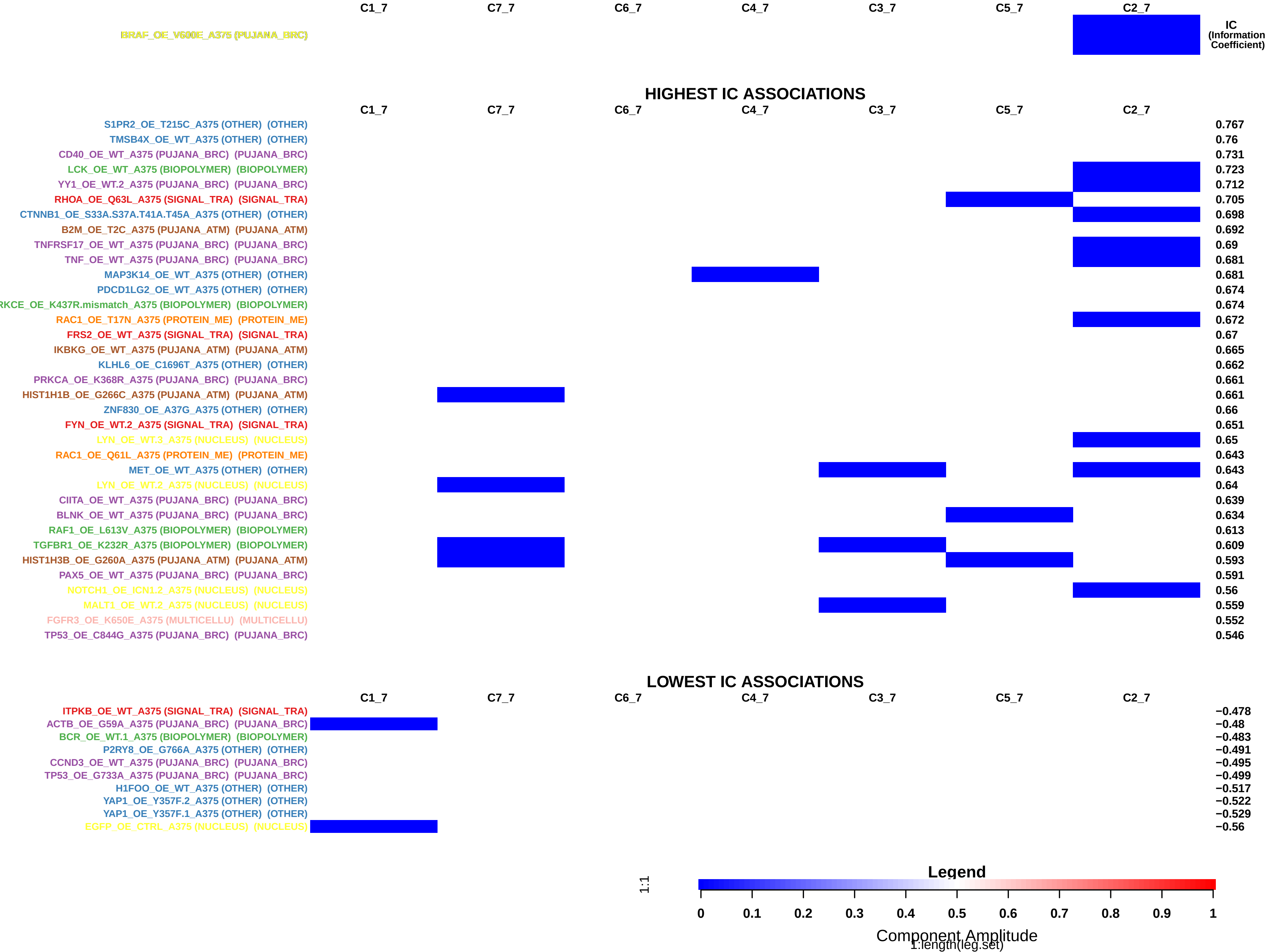

BCL6_OE_WT.1_A375 (NUCLEUS)
C1_7
C3_7
C6_7
C7_7
C5_7
C2_7
C4_7
BCL6_OE_WT.1_A375 (NUCLEUS)
IC (Information Coefficient)
HIGHEST IC ASSOCIATIONS
YY1_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.877
MAP3K14_OE_WT_A375 (OTHER) (OTHER) 0.873
HCRED_OE_CTRL_A375 (OTHER) (OTHER) 0.872
LYN_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.861
AKT1_OE_E17K_A375 (BIOPOLYMER) (BIOPOLYMER) 0.836
GLI1_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.828
RHOA_OE_Q63L_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.825
BCL10_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.816
SRC_OE_Y527F_A375 (PROTEIN_ME) (PROTEIN_ME) 0.812
BCL6_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.808
IKBKG_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.79
BTK_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.772
CARD11_OE_G546C_A375 (OTHER) (OTHER) 0.759
ERG_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.756
ERG_OE_truncated_A375 (NUCLEUS) (NUCLEUS) 0.737
NOTCH1_OE_ICN1.2_A375 (NUCLEUS) (NUCLEUS) 0.733
CD40_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.73
LCK_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.711
SPIB_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) 0.708
NOTCH1_OE_ICN1.1_A375 (NUCLEUS) (NUCLEUS) 0.706
FRS2_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.666
HRAS_OE_G12V_A375 (MULTICELLU) (MULTICELLU) 0.63
BTG1_OE_A85C_A375 (NUCLEUS) (NUCLEUS) 0.622
PDCD1LG2_OE_WT_A375 (OTHER) (OTHER) 0.621
HIST1H1B_OE_G266C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.606
BLNK_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.594
SYK_OE_T1519C_A375 (PUJANA_BRC) (PUJANA_BRC) 0.587
TP53_OE_C844G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.582
IRF4_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.57
HIST1H3B_OE_G260A_A375 (PUJANA_ATM) (PUJANA_ATM) 0.56
TNFRSF13B_OE_WT.1_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.559
RAC1_OE_T17N_A375 (PROTEIN_ME) (PROTEIN_ME) 0.552
MALT1_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.551
CD58_OE_del358G_A375 (OTHER) (OTHER) 0.549
TNFRSF17_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.548
LOWEST IC ASSOCIATIONS
SETDB1_OE_WT_A375 (OTHER) (OTHER) −0.613
GABRA1_OE_C385A_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.627
PDGFC_OE_G13T_A375 (MULTICELLU) (MULTICELLU) −0.63
SIP1_OE_WT_A375 (OTHER) (OTHER) −0.642
HIST1H1E_OE_A295T_A375 (PUJANA_ATM) (PUJANA_ATM) −0.643
HLA.A_OE_G225A_A375 (NA) (NA) −0.643
KRAS_OE_G38A_A375 (PUJANA_BRC) (PUJANA_BRC) −0.671
NFKBIA_OE_G33A_A375 (NUCLEUS) (NUCLEUS) −0.702
HRAS_OE_WT.mismatch_A375 (MULTICELLU) (MULTICELLU) −0.715
S1PR2_OE_WT_A375 (OTHER) (OTHER) −0.796
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

TGFBR1_OE_K232R_A375 (BIOPOLYMER)

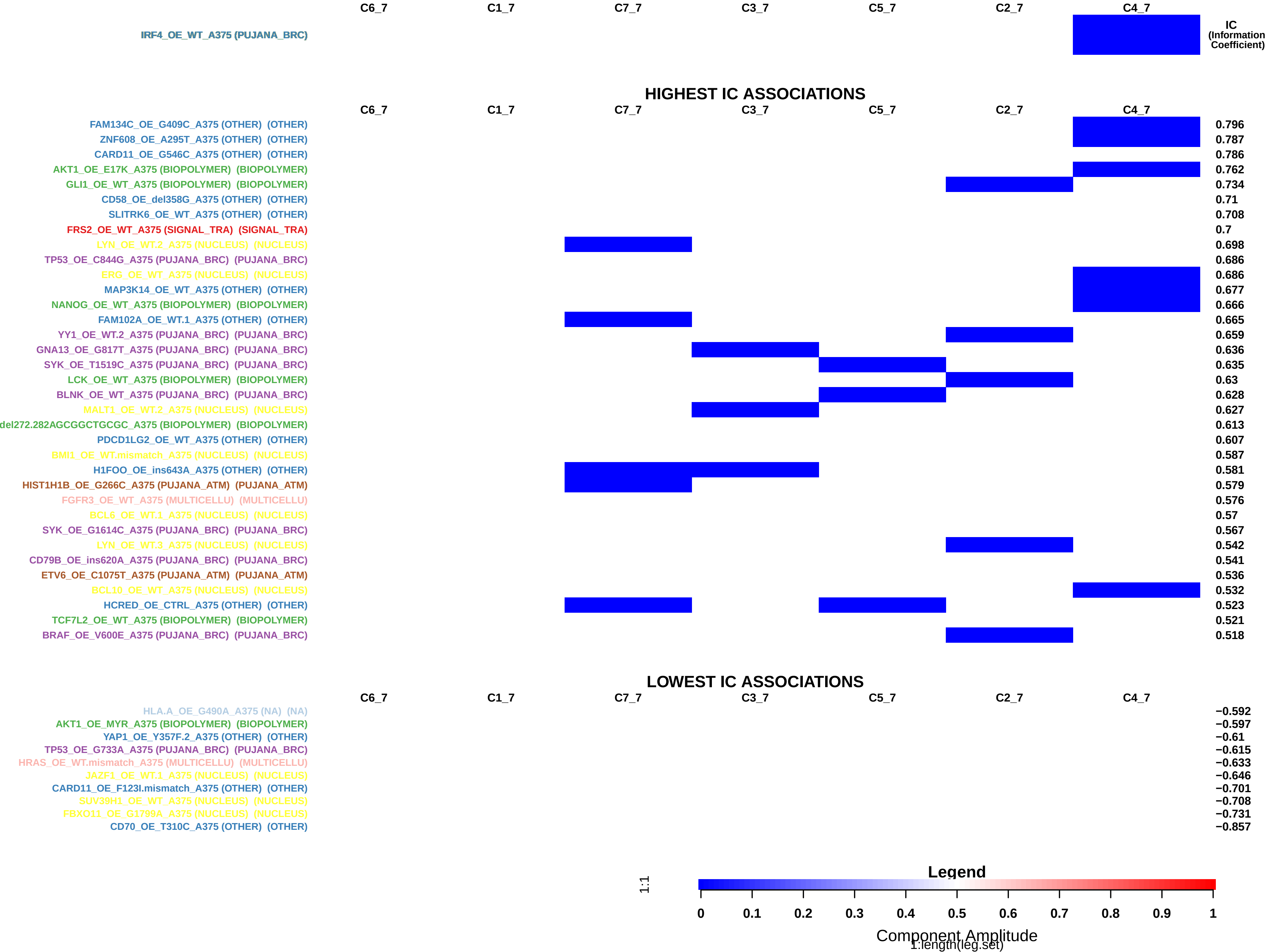



TNFRSF17_OE_WT_A375 (PUJANA_BRC)
C1_7
C4_7
C6_7
C3_7
C5_7
C7_7
C2_7
TNFRSF17_OE_WT_A375 (PUJANA_BRC)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
HIST1H1B_OE_G266C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.79
RAC1_OE_T17N_A375 (PROTEIN_ME) (PROTEIN_ME) 0.767
TNF_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.732
FRS2_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.726
B2M_OE_T2C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.721
TGFBR1_OE_K232R_A375 (BIOPOLYMER) (BIOPOLYMER) 0.717
TMSB4X_OE_WT_A375 (OTHER) (OTHER) 0.717
MAP3K14_OE_WT_A375 (OTHER) (OTHER) 0.716
LYN_OE_WT.3_A375 (NUCLEUS) (NUCLEUS) 0.706
LYN_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.705
MET_OE_WT_A375 (OTHER) (OTHER) 0.697
PDCD1LG2_OE_WT_A375 (OTHER) (OTHER) 0.697
BRAF_OE_V600E_A375 (PUJANA_BRC) (PUJANA_BRC) 0.69
IKBKG_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.69
PRKCA_OE_K368R_A375 (PUJANA_BRC) (PUJANA_BRC) 0.689
HIST1H3B_OE_G260A_A375 (PUJANA_ATM) (PUJANA_ATM) 0.683
BLNK_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.667
S1PR2_OE_T215C_A375 (OTHER) (OTHER) 0.667
CD40_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.665
KLHL6_OE_C1696T_A375 (OTHER) (OTHER) 0.664
CTNNB1_OE_S33A.S37A.T41A.T45A_A375 (OTHER) (OTHER) 0.659
ZNF830_OE_A37G_A375 (OTHER) (OTHER) 0.657
FYN_OE_WT.2_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.646
CIITA_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.646
RAC1_OE_Q61L_A375 (PROTEIN_ME) (PROTEIN_ME) 0.645
RKCE_OE_K437R.mismatch_A375 (BIOPOLYMER) (BIOPOLYMER) 0.643
HIST1H1C_OE_C194T_A375 (PUJANA_ATM) (PUJANA_ATM) 0.643
RHOA_OE_Q63L_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.643
LCK_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.64
IDH1_OE_WT_A375 (OTHER) (OTHER) 0.637
RAF1_OE_L613V_A375 (BIOPOLYMER) (BIOPOLYMER) 0.635
EP400_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.608
TP53_OE_C844G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.606
YY1_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.603
PREX2_OE_WT.2_A375 (OTHER) (OTHER) 0.6
LOWEST IC ASSOCIATIONS
P2RY8_OE_G751A_A375 (OTHER) (OTHER) −0.56
BTG1_OE_A177T_A375 (NUCLEUS) (NUCLEUS) −0.565
EGFR_OE_mut.3_A375 (NUCLEUS) (NUCLEUS) −0.587
GABRA1_OE_C671G_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.589
SRPX_OE_C904T_A375 (OTHER) (OTHER) −0.598
P2RY8_OE_T155A_A375 (OTHER) (OTHER) −0.604
GABRA1_OE_C385A_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.607
P2RY8_OE_A245G_A375 (OTHER) (OTHER) −0.625
P2RY8_OE_G766A_A375 (OTHER) (OTHER) −0.633
ACTB_OE_G59A_A375 (PUJANA_BRC) (PUJANA_BRC) −0.657
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

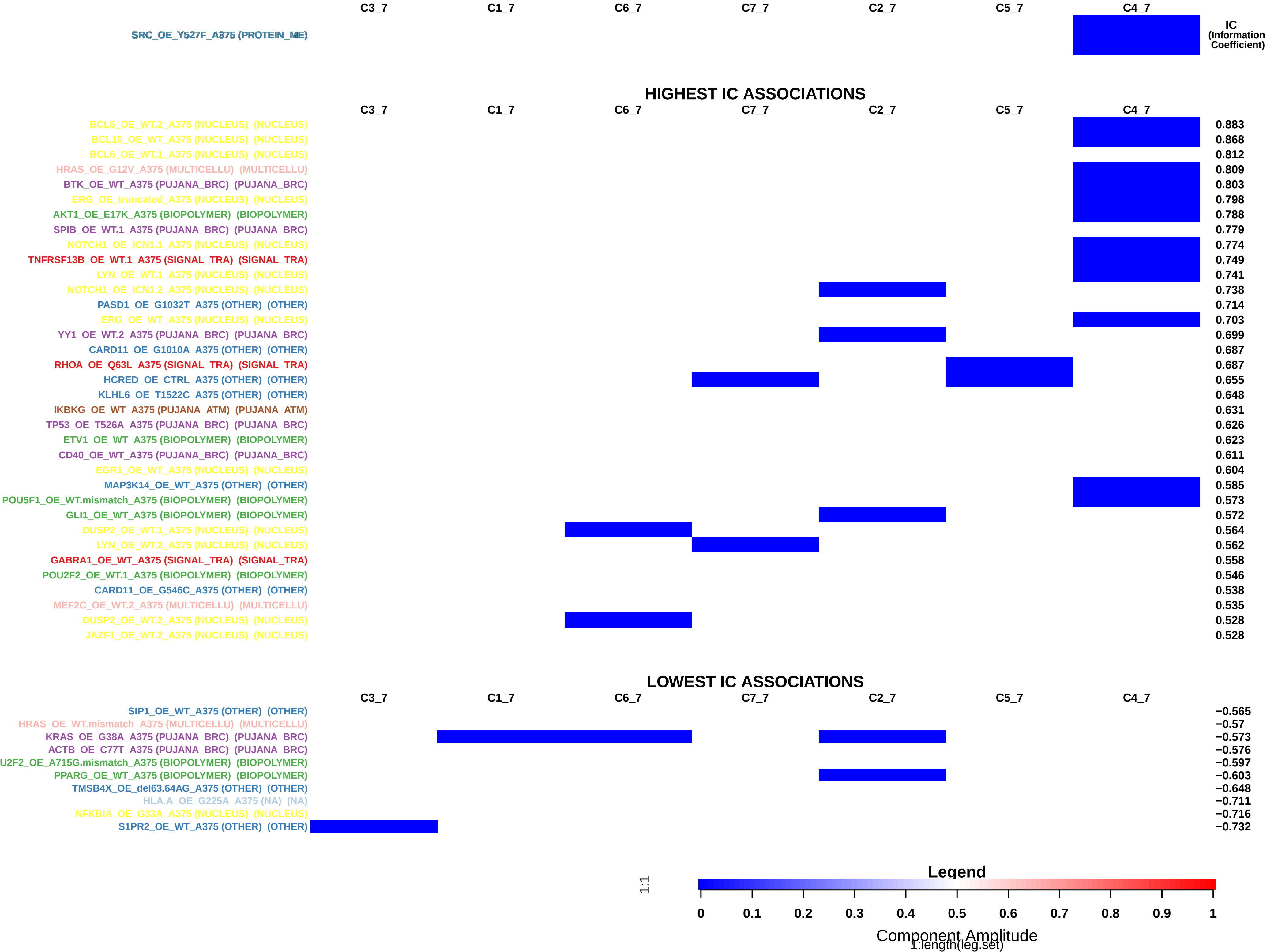
BRAF_OE_V600E_A375 (PUJANA_BRC)



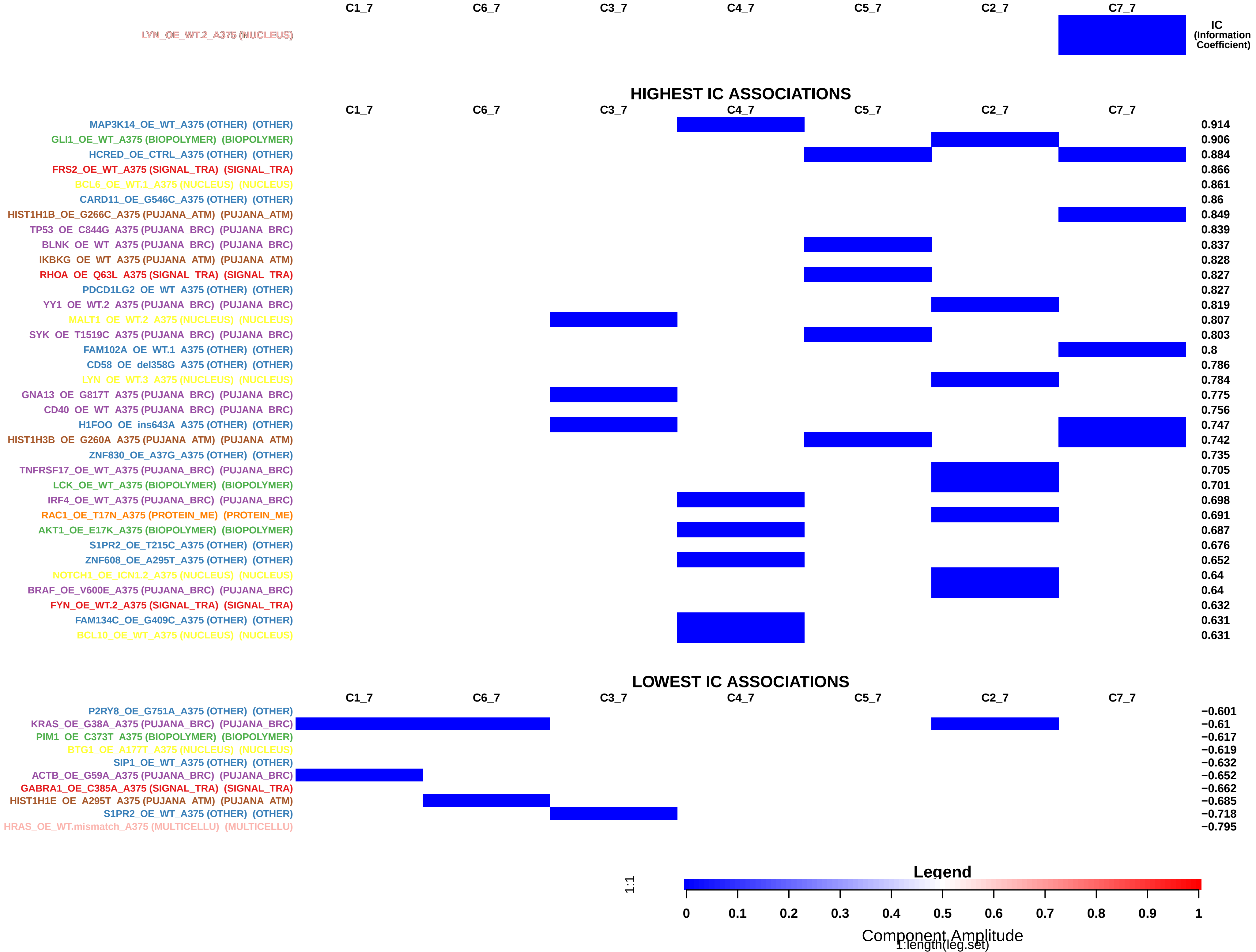
IRF4_OE_WT_A375 (PUJANA_BRC)



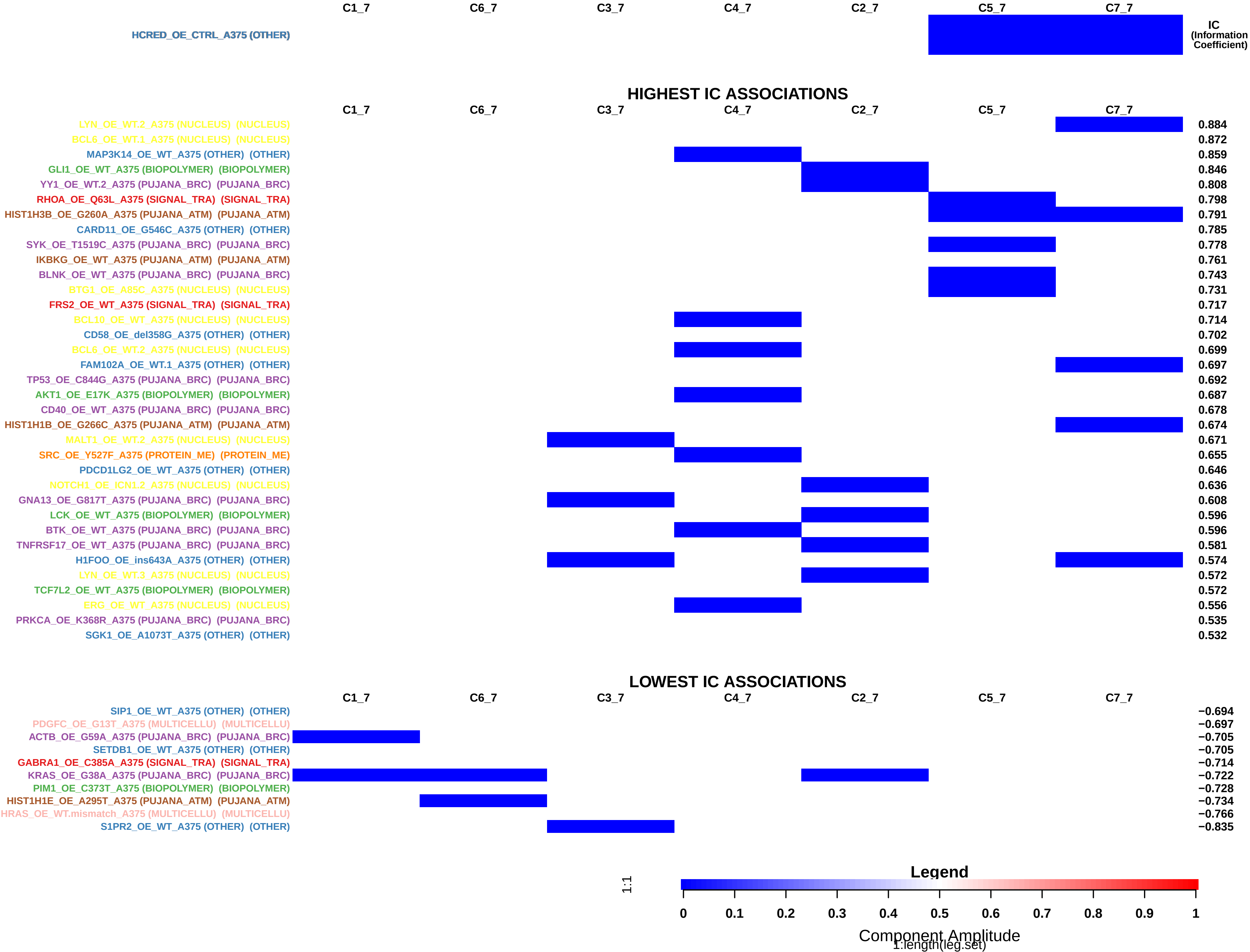
SRC_OE_Y527F_A375 (PROTEIN_ME)



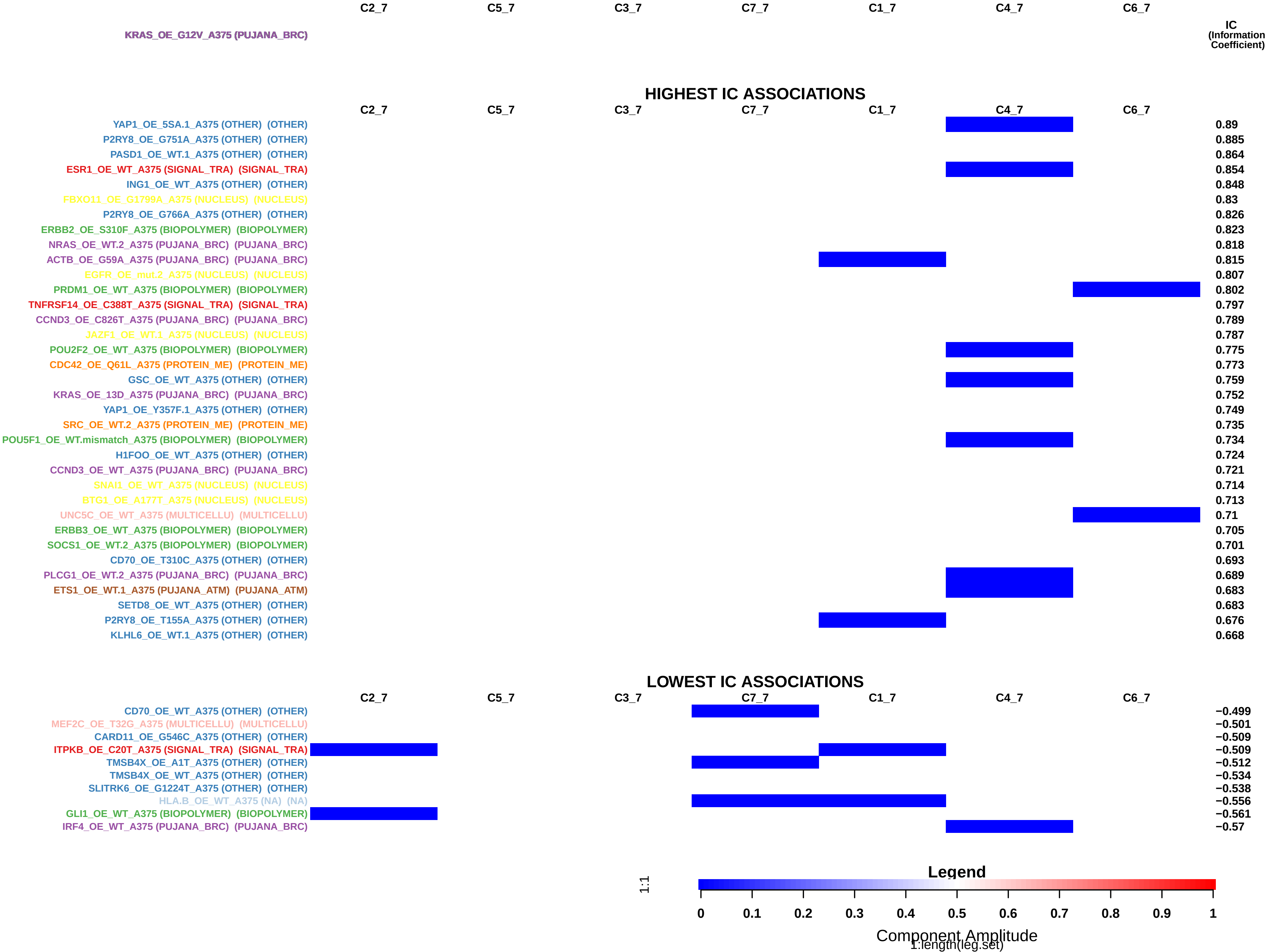
LYN_OE_WT.2_A375 (NUCLEUS)



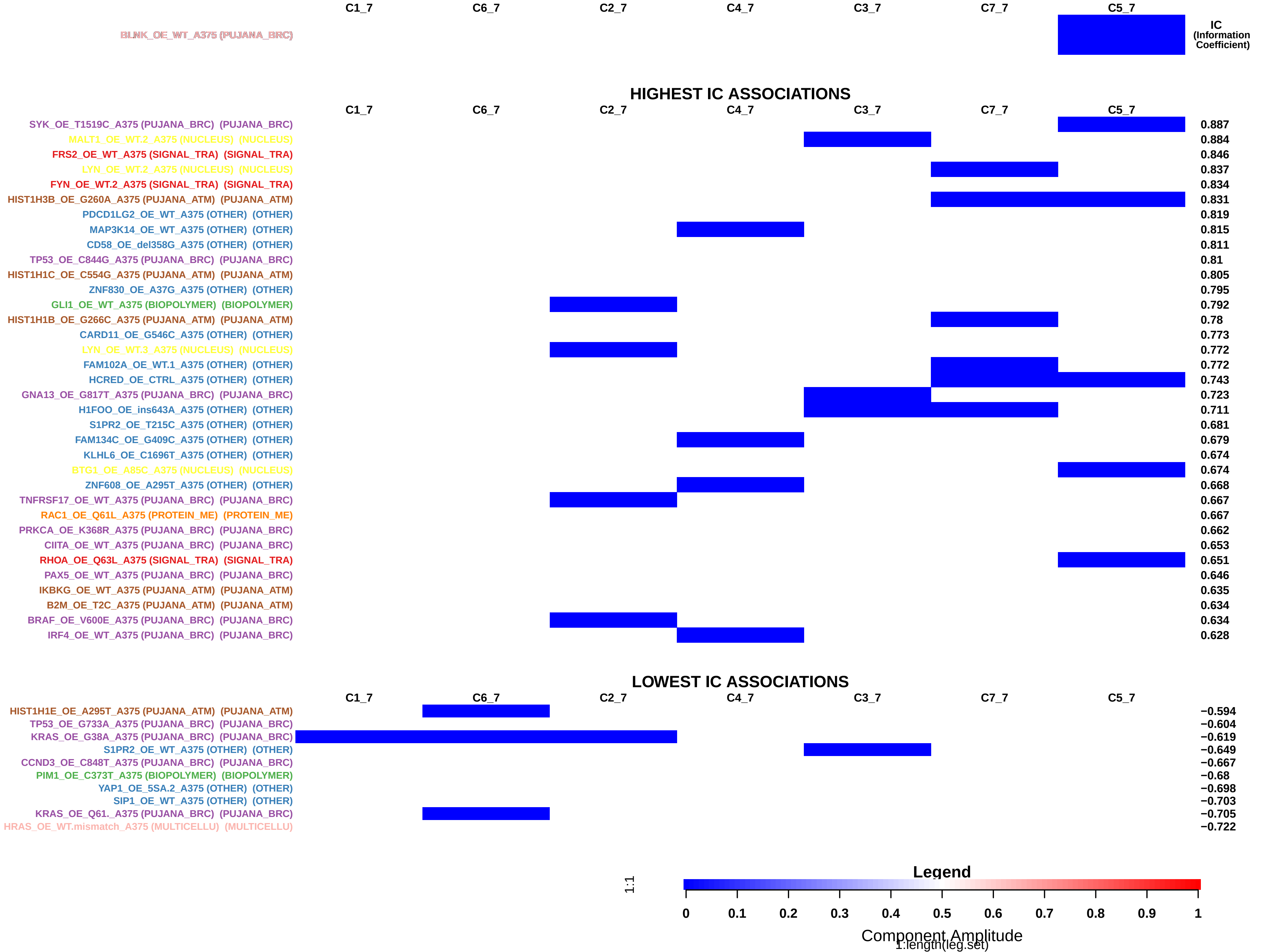
HCRED_OE_CTRL_A375 (OTHER)

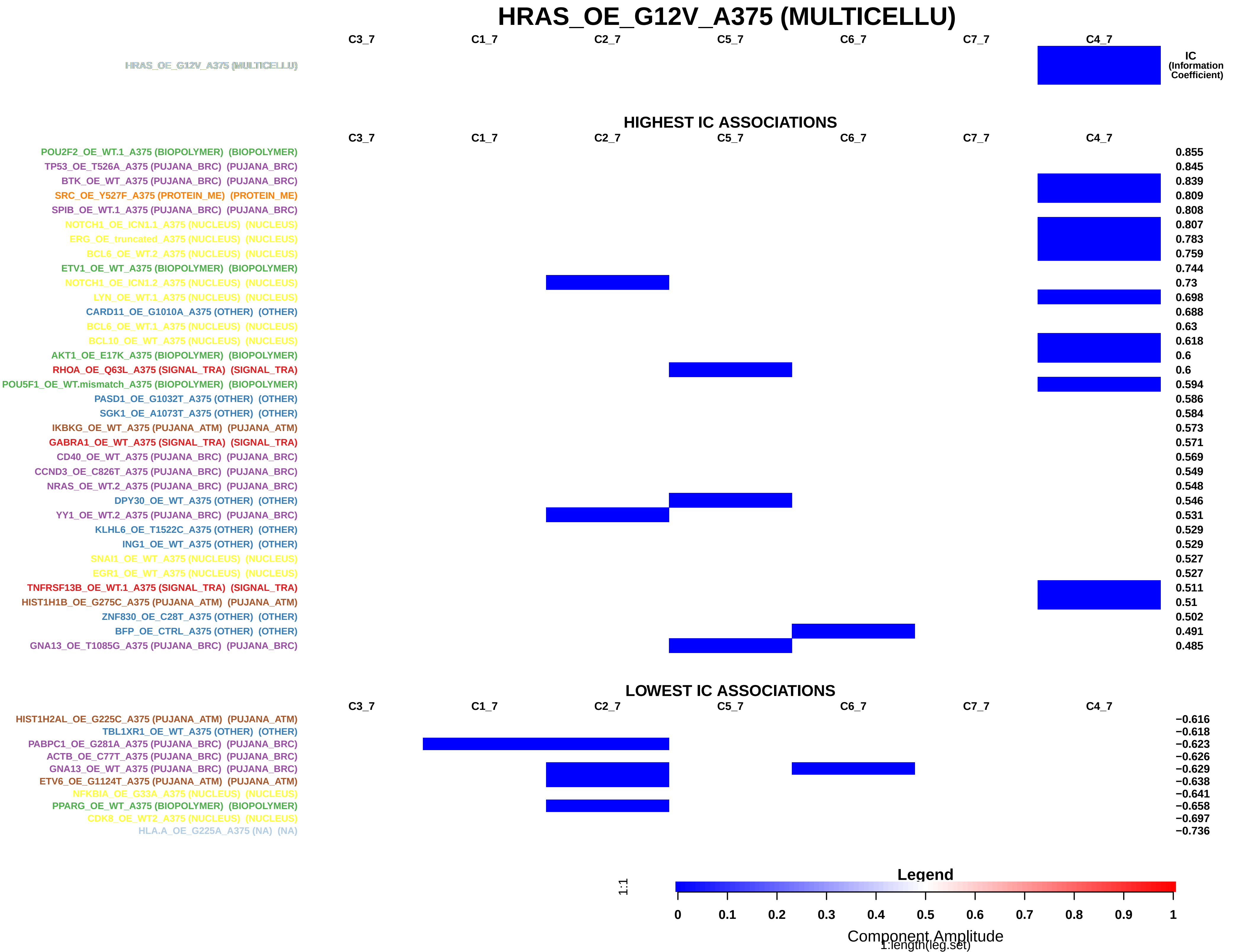


KRAS_OE_G12V_A375 (PUJANA_BRC)

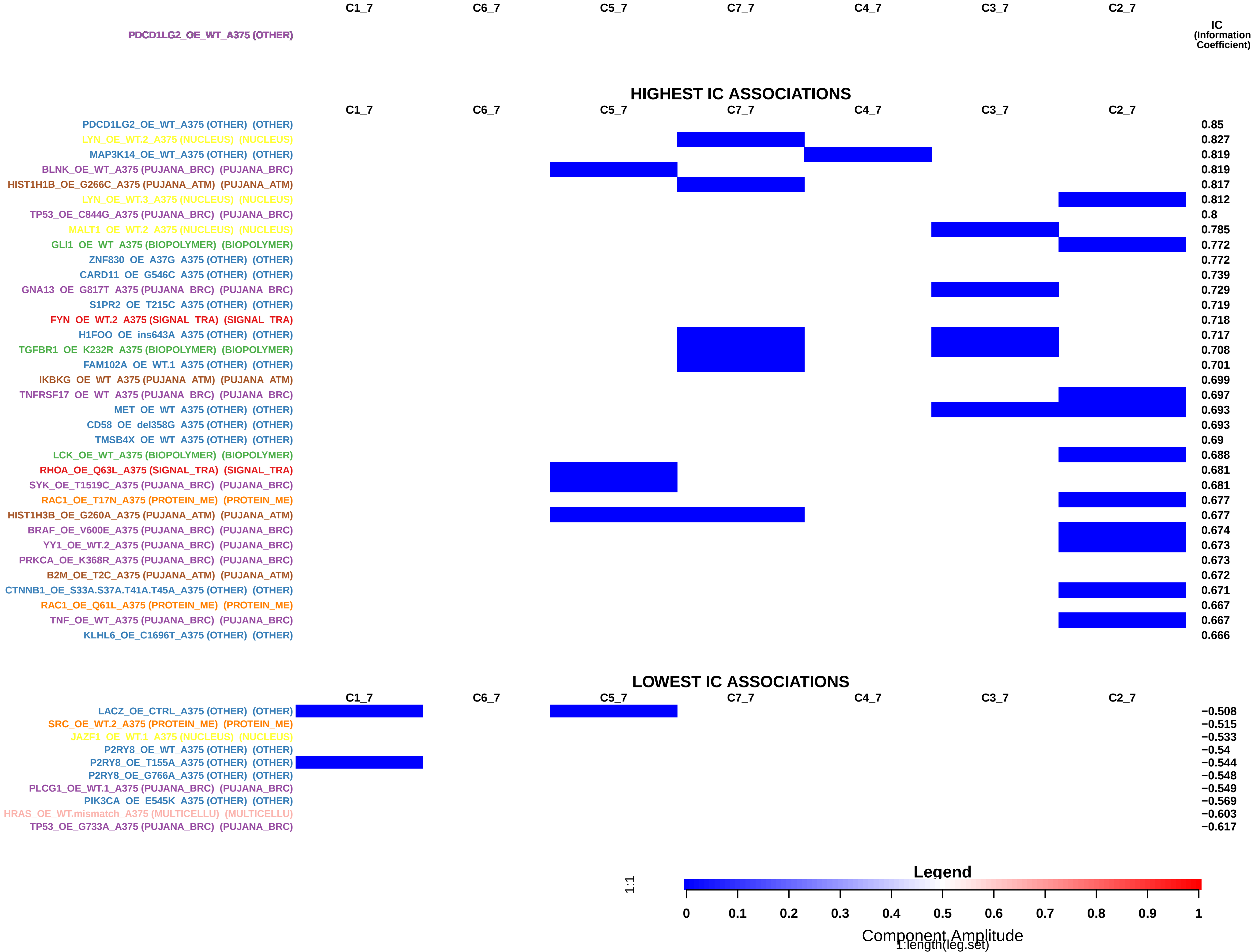


BLNK_OE_WT_A375 (PUJANA_BRC)

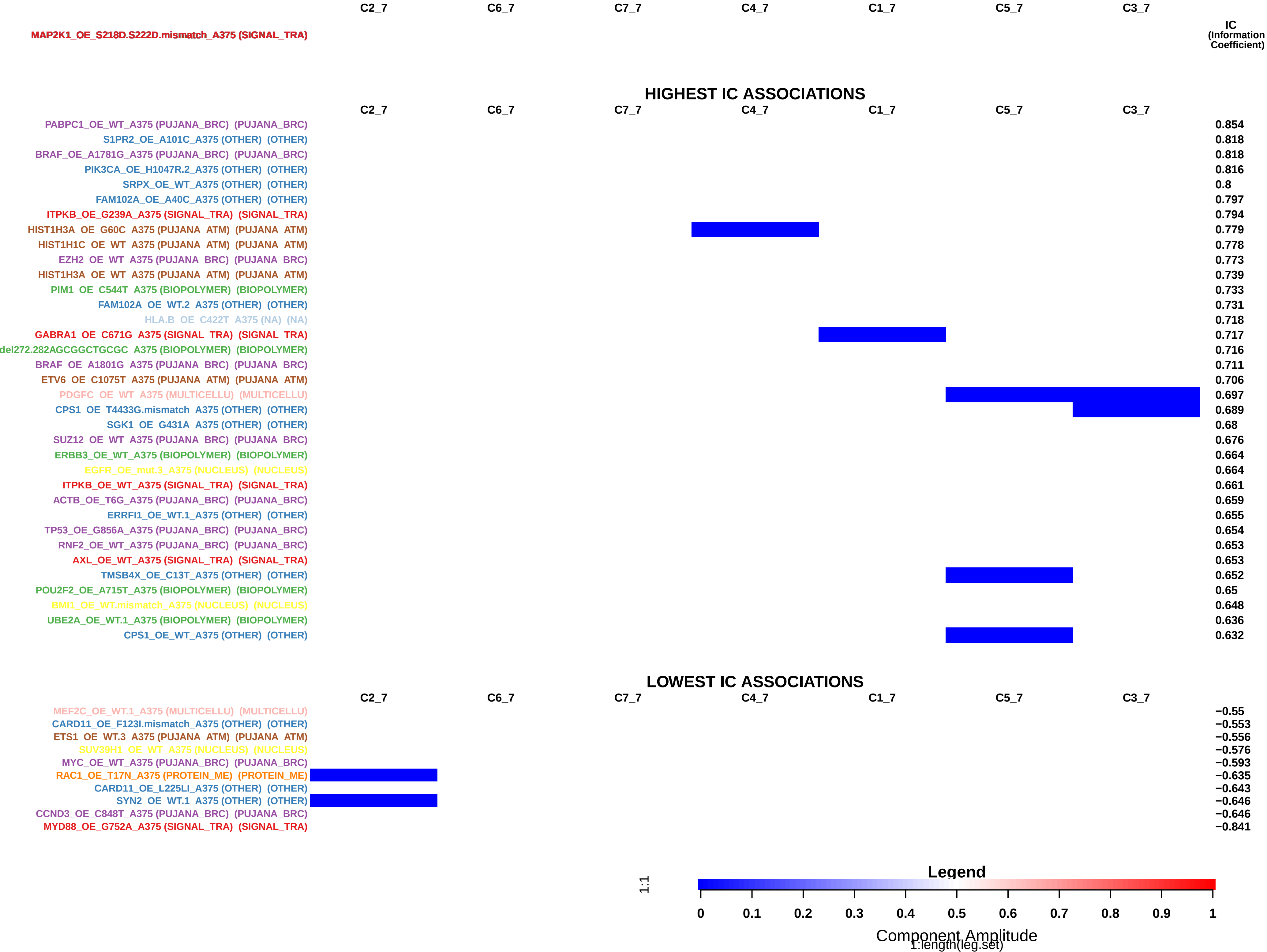



HRAS_OE_G12V_A375 (MULTICELLU)
C3_7
C1_7
C2_7
C5_7
C6_7
C7_7
C4_7
HRAS_OE_G12V_A375 (MULTICELLU)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
POU2F2_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) 0.855
TP53_OE_T526A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.845
BTK_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.839
SRC_OE_Y527F_A375 (PROTEIN_ME) (PROTEIN_ME) 0.809
SPIB_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) 0.808
NOTCH1_OE_ICN1.1_A375 (NUCLEUS) (NUCLEUS) 0.807
ERG_OE_truncated_A375 (NUCLEUS) (NUCLEUS) 0.783
BCL6_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.759
ETV1_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.744
NOTCH1_OE_ICN1.2_A375 (NUCLEUS) (NUCLEUS) 0.73
LYN_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.698
CARD11_OE_G1010A_A375 (OTHER) (OTHER) 0.688
BCL6_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.63
BCL10_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.618
AKT1_OE_E17K_A375 (BIOPOLYMER) (BIOPOLYMER) 0.6
RHOA_OE_Q63L_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.6
POU5F1_OE_WT.mismatch_A375 (BIOPOLYMER) (BIOPOLYMER) 0.594
PASD1_OE_G1032T_A375 (OTHER) (OTHER) 0.586
SGK1_OE_A1073T_A375 (OTHER) (OTHER) 0.584
IKBKG_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.573
GABRA1_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.571
CD40_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.569
CCND3_OE_C826T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.549
NRAS_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.548
DPY30_OE_WT_A375 (OTHER) (OTHER) 0.546
YY1_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.531
KLHL6_OE_T1522C_A375 (OTHER) (OTHER) 0.529
ING1_OE_WT_A375 (OTHER) (OTHER) 0.529
SNAI1_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.527
EGR1_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.527
TNFRSF13B_OE_WT.1_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.511
HIST1H1B_OE_G275C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.51
ZNF830_OE_C28T_A375 (OTHER) (OTHER) 0.502
BFP_OE_CTRL_A375 (OTHER) (OTHER) 0.491
GNA13_OE_T1085G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.485
LOWEST IC ASSOCIATIONS
HIST1H2AL_OE_G225C_A375 (PUJANA_ATM) (PUJANA_ATM) −0.616
TBL1XR1_OE_WT_A375 (OTHER) (OTHER) −0.618
PABPC1_OE_G281A_A375 (PUJANA_BRC) (PUJANA_BRC) −0.623
ACTB_OE_C77T_A375 (PUJANA_BRC) (PUJANA_BRC) −0.626
GNA13_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) −0.629
ETV6_OE_G1124T_A375 (PUJANA_ATM) (PUJANA_ATM) −0.638
NFKBIA_OE_G33A_A375 (NUCLEUS) (NUCLEUS) −0.641
PPARG_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) −0.658
CDK8_OE_WT2_A375 (NUCLEUS) (NUCLEUS) −0.697
HLA.A_OE_G225A_A375 (NA) (NA) −0.736
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

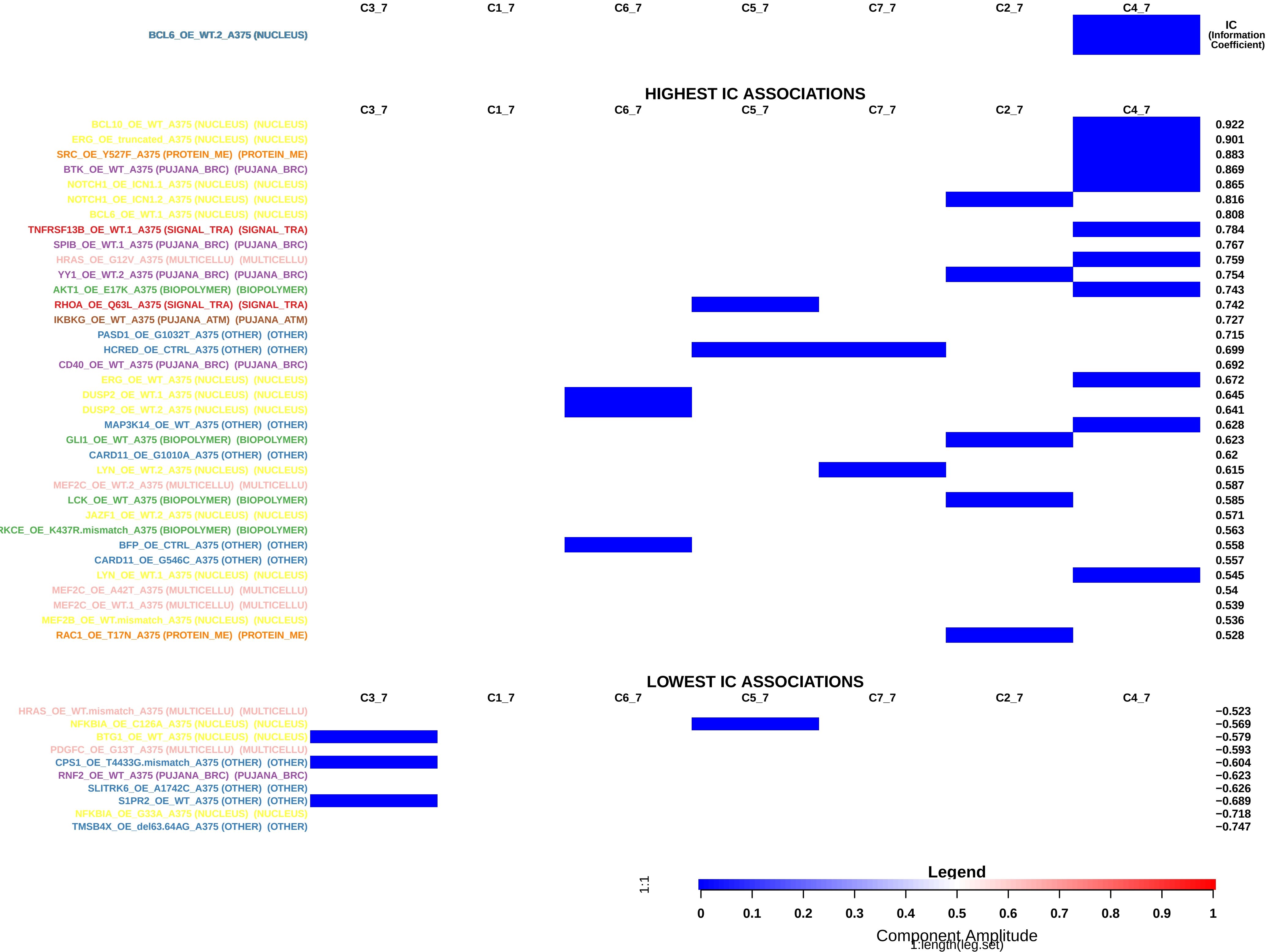
PDCD1LG2_OE_WT_A375 (OTHER)

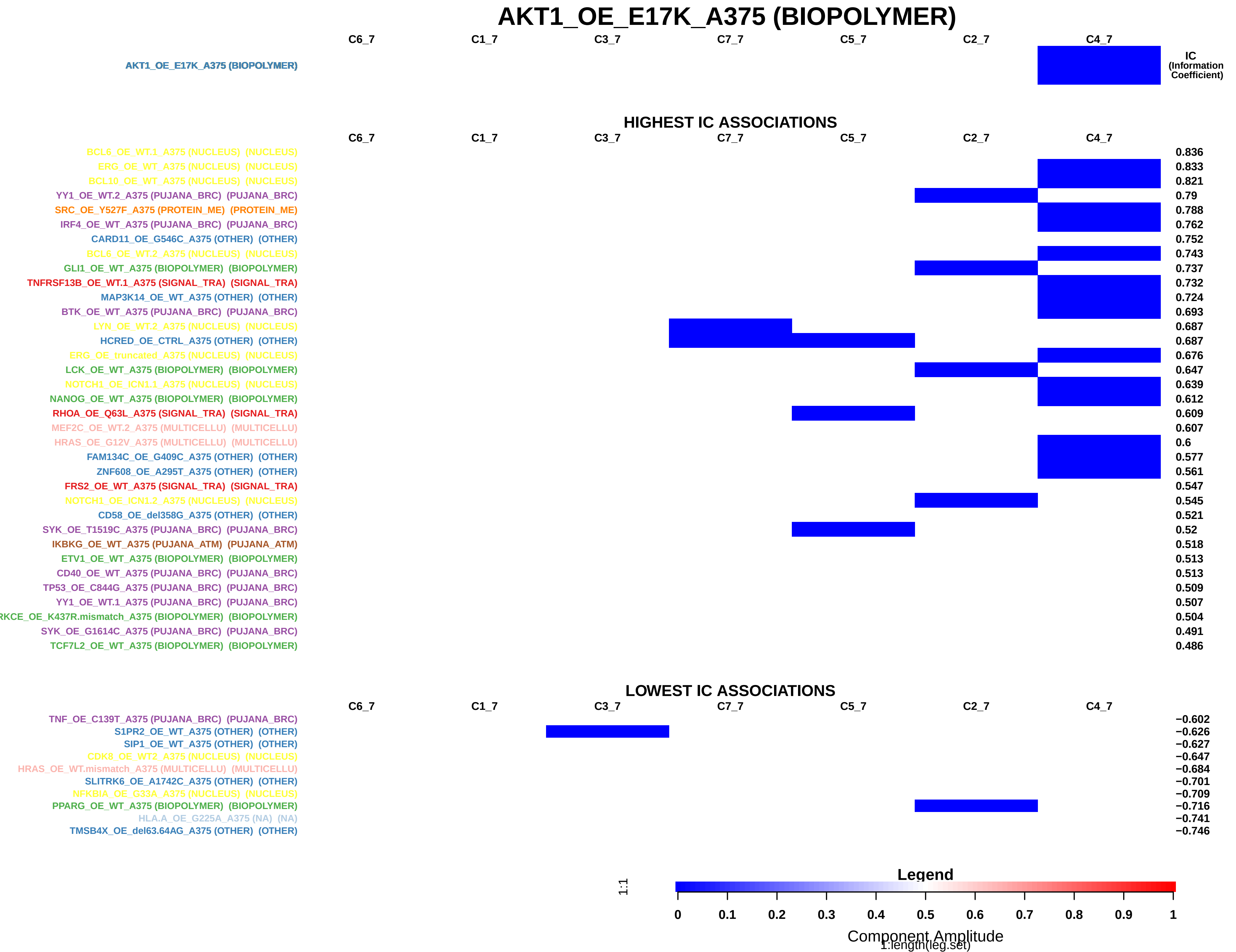


MAP2K1_OE_S218D.S222D.mismatch_A375 (SIGNAL_TRA)

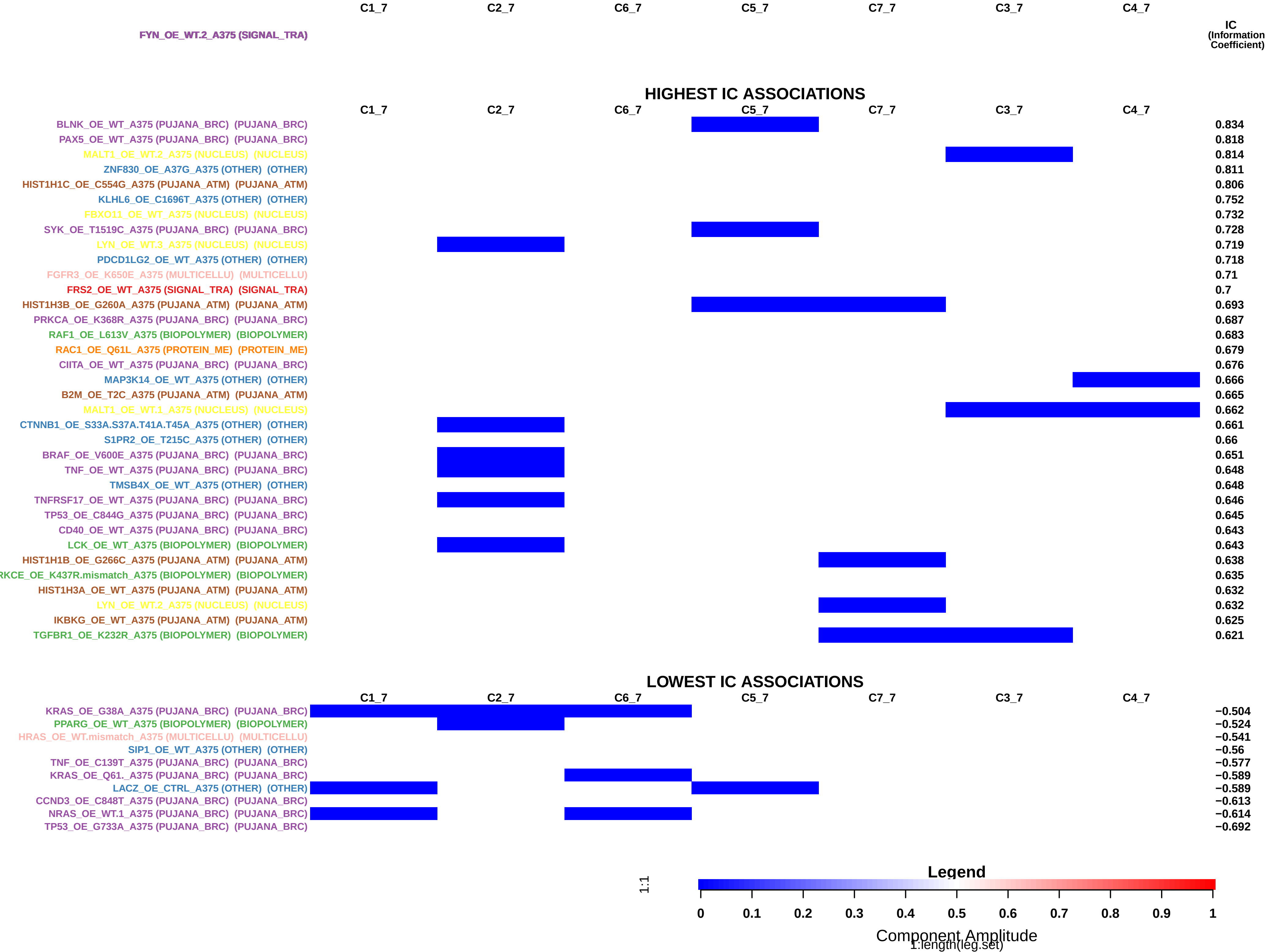


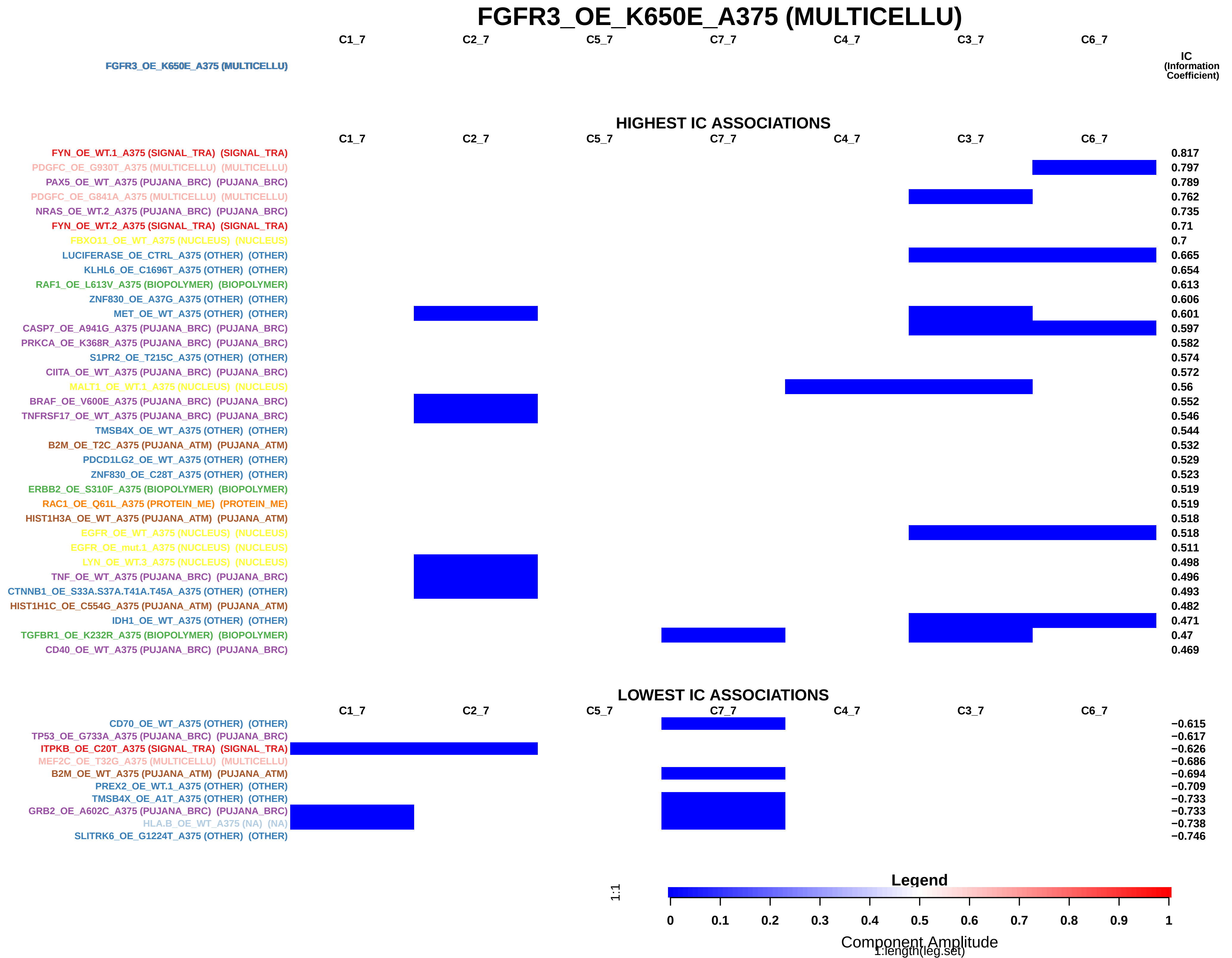
BCL6_OE_WT.2_A375 (NUCLEUS)



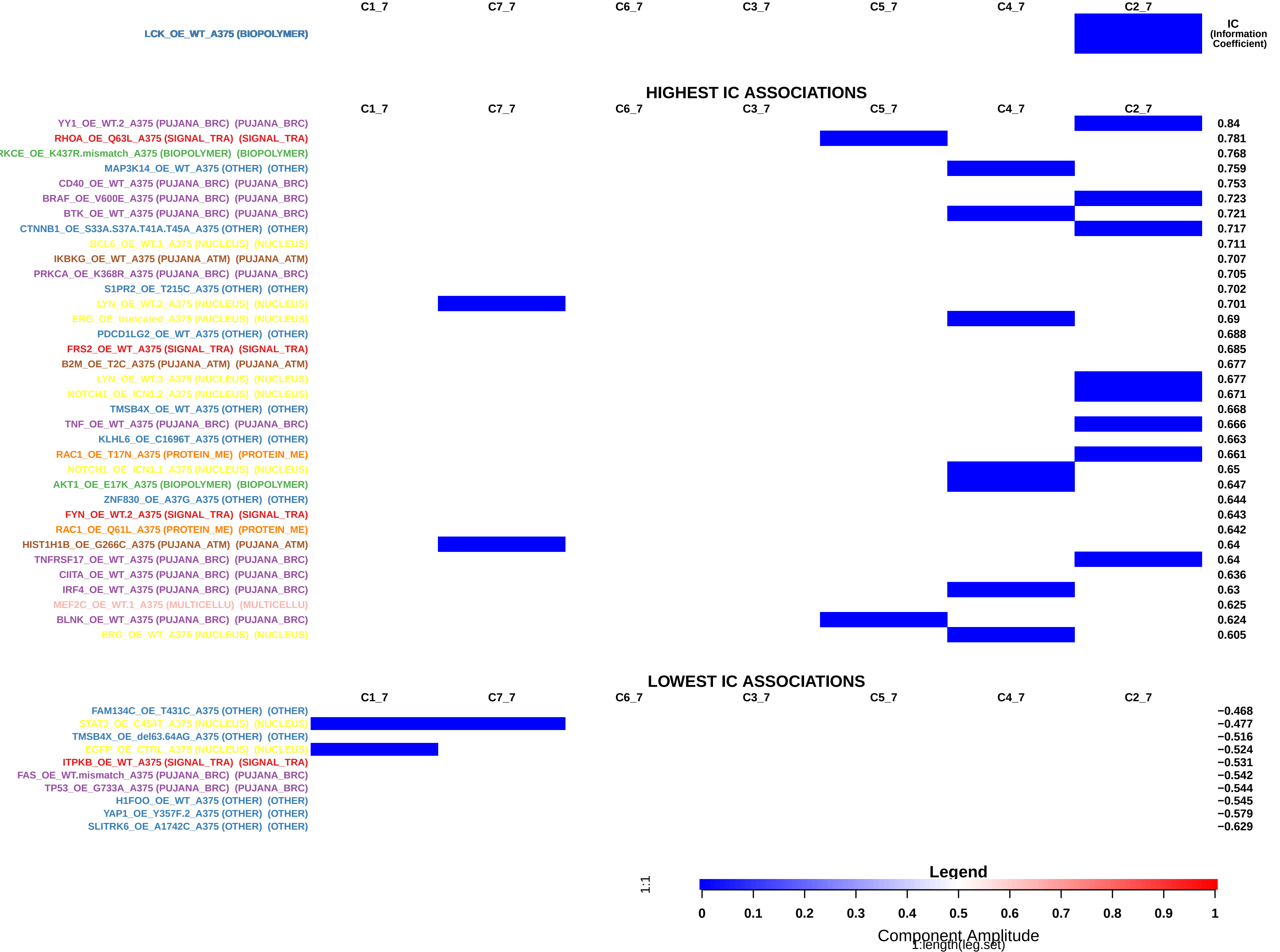

AKT1_OE_E17K_A375 (BIOPOLYMER)
C6_7
C1_7
C3_7
C7_7
C5_7
C2_7
C4_7
AKT1_OE_E17K_A375 (BIOPOLYMER)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
C6_7
C1_7
C3_7
C7_7
C5_7
C2_7
C4_7
BCL6_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.836
ERG_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.833
BCL10_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.821
YY1_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.79
SRC_OE_Y527F_A375 (PROTEIN_ME) (PROTEIN_ME) 0.788
IRF4_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.762
CARD11_OE_G546C_A375 (OTHER) (OTHER) 0.752
BCL6_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.743
GLI1_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.737
TNFRSF13B_OE_WT.1_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.732
MAP3K14_OE_WT_A375 (OTHER) (OTHER) 0.724
BTK_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.693
LYN_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.687
HCRED_OE_CTRL_A375 (OTHER) (OTHER) 0.687
ERG_OE_truncated_A375 (NUCLEUS) (NUCLEUS) 0.676
LCK_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.647
NOTCH1_OE_ICN1.1_A375 (NUCLEUS) (NUCLEUS) 0.639
NANOG_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.612
RHOA_OE_Q63L_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.609
MEF2C_OE_WT.2_A375 (MULTICELLU) (MULTICELLU) 0.607
HRAS_OE_G12V_A375 (MULTICELLU) (MULTICELLU) 0.6
FAM134C_OE_G409C_A375 (OTHER) (OTHER) 0.577
ZNF608_OE_A295T_A375 (OTHER) (OTHER) 0.561
FRS2_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.547
NOTCH1_OE_ICN1.2_A375 (NUCLEUS) (NUCLEUS) 0.545
CD58_OE_del358G_A375 (OTHER) (OTHER) 0.521
SYK_OE_T1519C_A375 (PUJANA_BRC) (PUJANA_BRC) 0.52
IKBKG_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.518
ETV1_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.513
CD40_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.513
TP53_OE_C844G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.509
YY1_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) 0.507
RKCE_OE_K437R.mismatch_A375 (BIOPOLYMER) (BIOPOLYMER) 0.504
SYK_OE_G1614C_A375 (PUJANA_BRC) (PUJANA_BRC) 0.491
TCF7L2_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.486
LOWEST IC ASSOCIATIONS
C6_7
C1_7
C3_7
C7_7
C5_7
C2_7
C4_7
TNF_OE_C139T_A375 (PUJANA_BRC) (PUJANA_BRC) −0.602
S1PR2_OE_WT_A375 (OTHER) (OTHER) −0.626
SIP1_OE_WT_A375 (OTHER) (OTHER) −0.627
CDK8_OE_WT2_A375 (NUCLEUS) (NUCLEUS) −0.647
HRAS_OE_WT.mismatch_A375 (MULTICELLU) (MULTICELLU) −0.684
SLITRK6_OE_A1742C_A375 (OTHER) (OTHER) −0.701
NFKBIA_OE_G33A_A375 (NUCLEUS) (NUCLEUS) −0.709
PPARG_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) −0.716
HLA.A_OE_G225A_A375 (NA) (NA) −0.741
TMSB4X_OE_del63.64AG_A375 (OTHER) (OTHER) −0.746
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

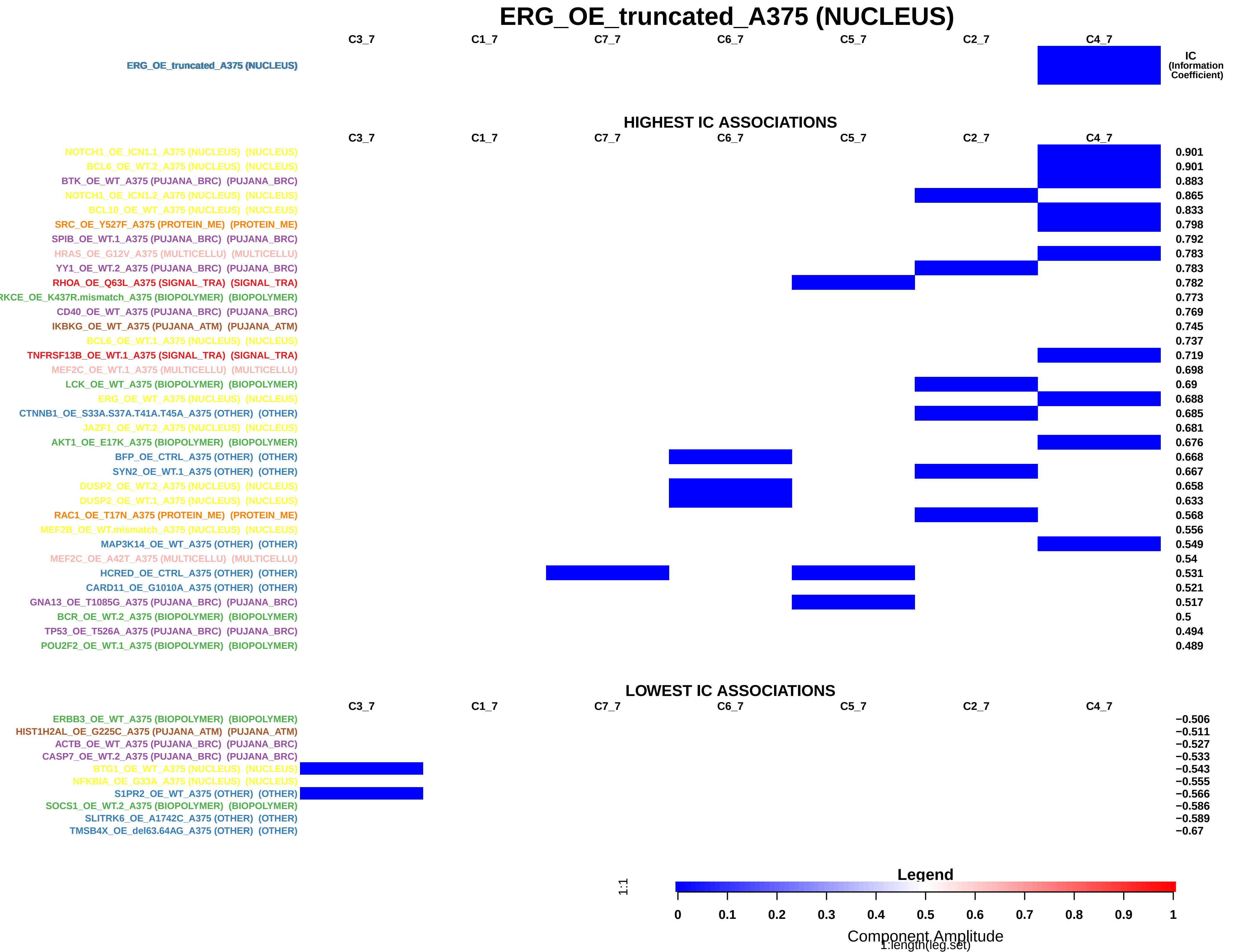
FYN_OE_WT.2_A375 (SIGNAL_TRA)



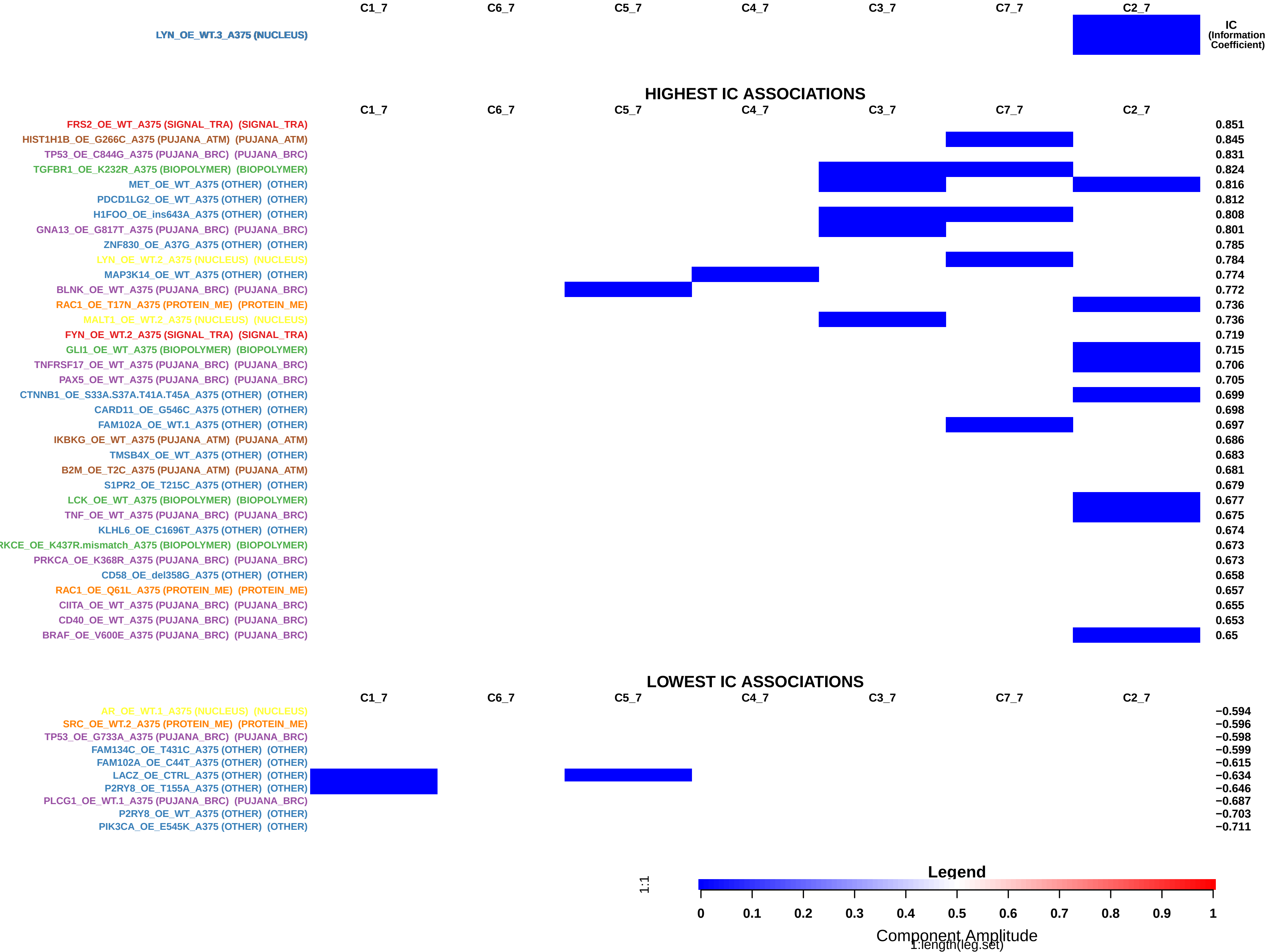

FGFR3_OE_K650E_A375 (MULTICELLU)
C1_7
C2_7
C5_7
C7_7
C4_7
C3_7
C6_7
FGFR3_OE_K650E_A375 (MULTICELLU)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
FYN_OE_WT.1_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.817
PDGFC_OE_G930T_A375 (MULTICELLU) (MULTICELLU) 0.797
PAX5_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.789
PDGFC_OE_G841A_A375 (MULTICELLU) (MULTICELLU) 0.762
NRAS_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.735
FYN_OE_WT.2_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.71
FBXO11_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.7
LUCIFERASE_OE_CTRL_A375 (OTHER) (OTHER) 0.665
KLHL6_OE_C1696T_A375 (OTHER) (OTHER) 0.654
RAF1_OE_L613V_A375 (BIOPOLYMER) (BIOPOLYMER) 0.613
ZNF830_OE_A37G_A375 (OTHER) (OTHER) 0.606
MET_OE_WT_A375 (OTHER) (OTHER) 0.601
CASP7_OE_A941G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.597
PRKCA_OE_K368R_A375 (PUJANA_BRC) (PUJANA_BRC) 0.582
S1PR2_OE_T215C_A375 (OTHER) (OTHER) 0.574
CIITA_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.572
MALT1_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.56
BRAF_OE_V600E_A375 (PUJANA_BRC) (PUJANA_BRC) 0.552
TNFRSF17_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.546
TMSB4X_OE_WT_A375 (OTHER) (OTHER) 0.544
B2M_OE_T2C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.532
PDCD1LG2_OE_WT_A375 (OTHER) (OTHER) 0.529
ZNF830_OE_C28T_A375 (OTHER) (OTHER) 0.523
ERBB2_OE_S310F_A375 (BIOPOLYMER) (BIOPOLYMER) 0.519
RAC1_OE_Q61L_A375 (PROTEIN_ME) (PROTEIN_ME) 0.519
HIST1H3A_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.518
EGFR_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.518
EGFR_OE_mut.1_A375 (NUCLEUS) (NUCLEUS) 0.511
LYN_OE_WT.3_A375 (NUCLEUS) (NUCLEUS) 0.498
TNF_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.496
CTNNB1_OE_S33A.S37A.T41A.T45A_A375 (OTHER) (OTHER) 0.493
HIST1H1C_OE_C554G_A375 (PUJANA_ATM) (PUJANA_ATM) 0.482
IDH1_OE_WT_A375 (OTHER) (OTHER) 0.471
TGFBR1_OE_K232R_A375 (BIOPOLYMER) (BIOPOLYMER) 0.47
CD40_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.469
LOWEST IC ASSOCIATIONS
CD70_OE_WT_A375 (OTHER) (OTHER) −0.615
TP53_OE_G733A_A375 (PUJANA_BRC) (PUJANA_BRC) −0.617
ITPKB_OE_C20T_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.626
MEF2C_OE_T32G_A375 (MULTICELLU) (MULTICELLU) −0.686
B2M_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) −0.694
PREX2_OE_WT.1_A375 (OTHER) (OTHER) −0.709
TMSB4X_OE_A1T_A375 (OTHER) (OTHER) −0.733
GRB2_OE_A602C_A375 (PUJANA_BRC) (PUJANA_BRC) −0.733
HLA.B_OE_WT_A375 (NA) (NA) −0.738
SLITRK6_OE_G1224T_A375 (OTHER) (OTHER) −0.746
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

LCK_OE_WT_A375 (BIOPOLYMER)

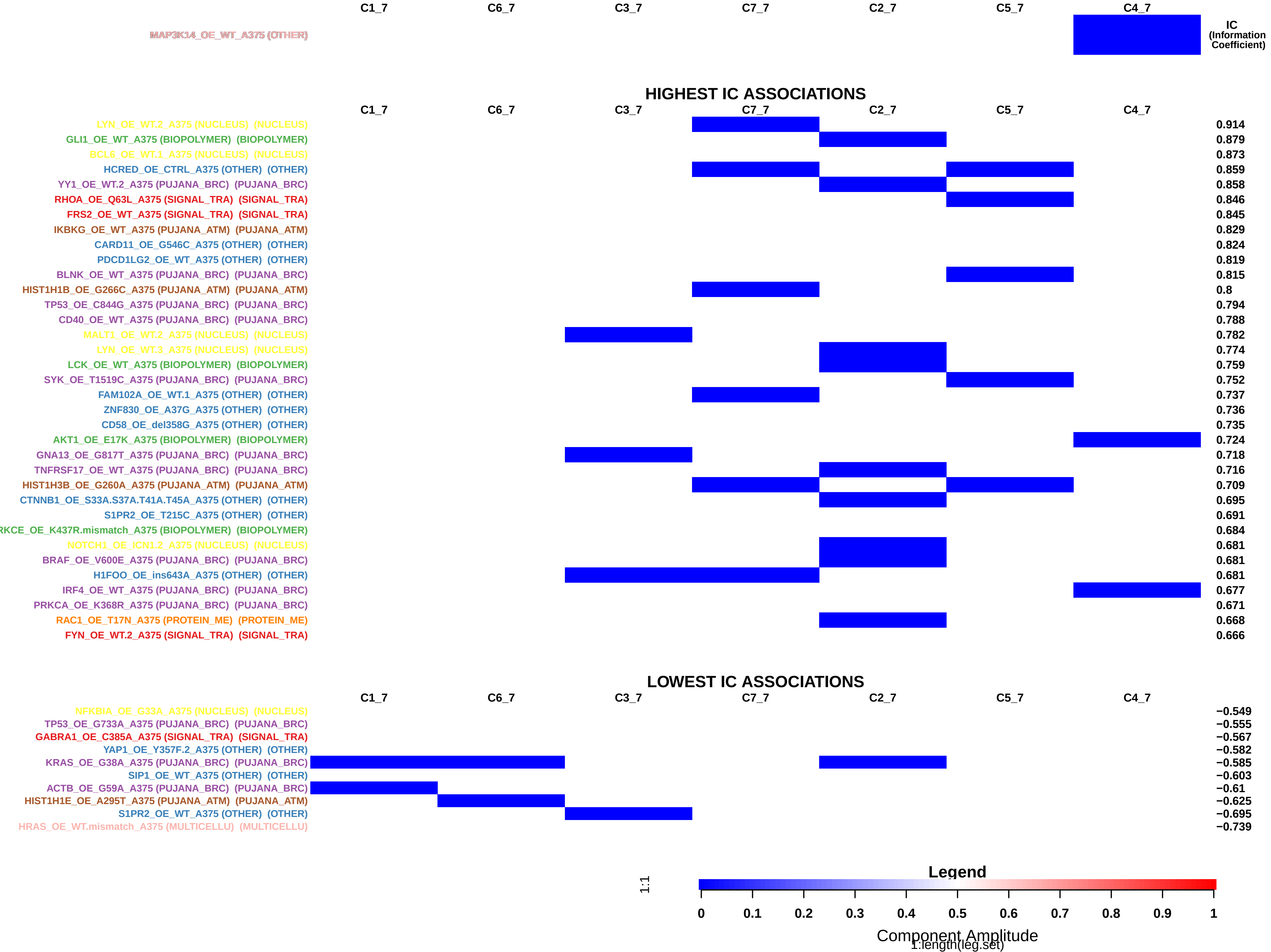


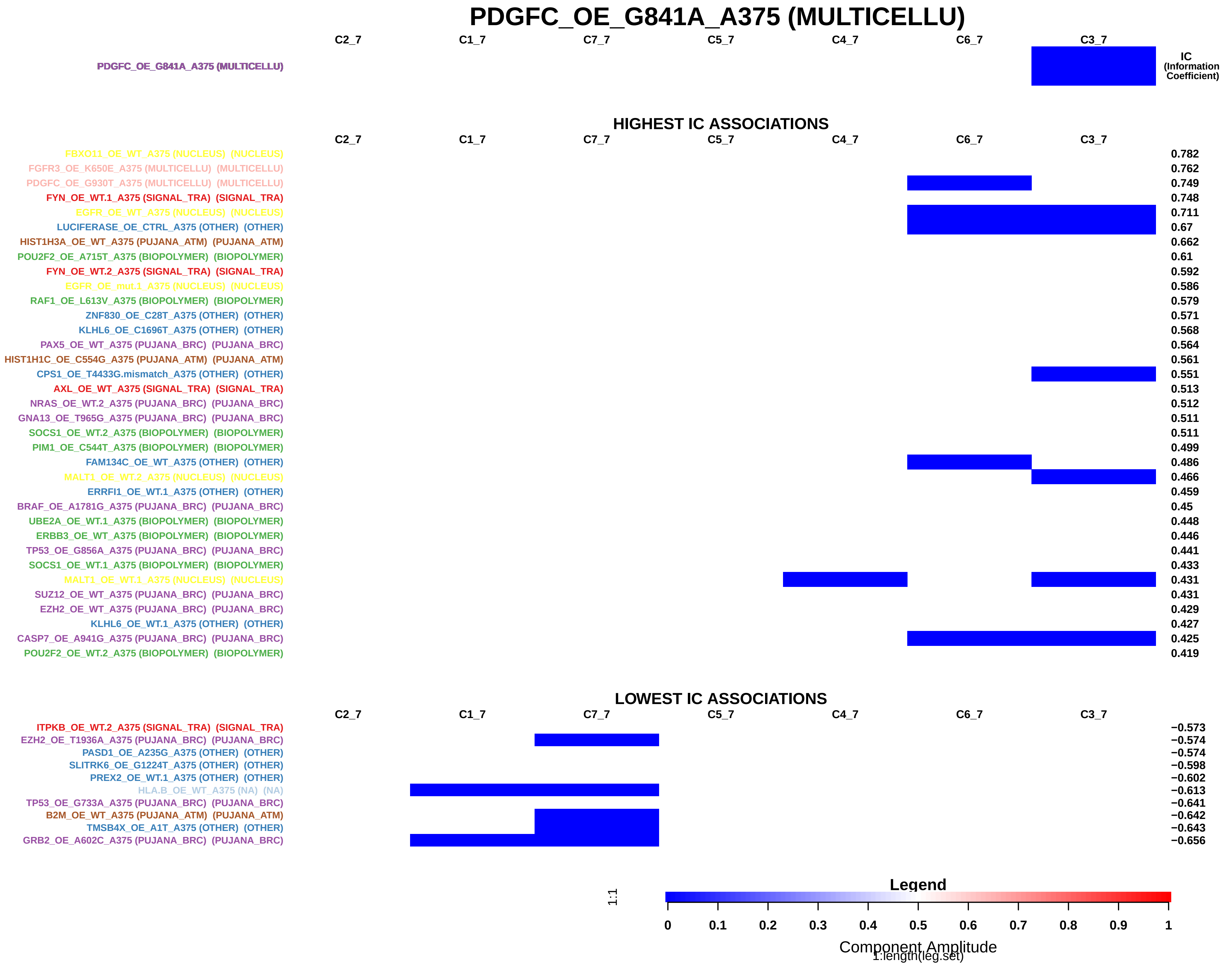

ERG_OE_truncated_A375 (NUCLEUS)
C3_7
C1_7
C7_7
C6_7
C5_7
C2_7
C4_7
ERG_OE_truncated_A375 (NUCLEUS)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
C3_7
C1_7
C7_7
C6_7
C5_7
C2_7
C4_7
NOTCH1_OE_ICN1.1_A375 (NUCLEUS) (NUCLEUS) 0.901
BCL6_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.901
BTK_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.883
NOTCH1_OE_ICN1.2_A375 (NUCLEUS) (NUCLEUS) 0.865
BCL10_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.833
SRC_OE_Y527F_A375 (PROTEIN_ME) (PROTEIN_ME) 0.798
SPIB_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) 0.792
HRAS_OE_G12V_A375 (MULTICELLU) (MULTICELLU) 0.783
YY1_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.783
RHOA_OE_Q63L_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.782
RKCE_OE_K437R.mismatch_A375 (BIOPOLYMER) (BIOPOLYMER) 0.773
CD40_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.769
IKBKG_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.745
BCL6_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.737
TNFRSF13B_OE_WT.1_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.719
MEF2C_OE_WT.1_A375 (MULTICELLU) (MULTICELLU) 0.698
LCK_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.69
ERG_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.688
CTNNB1_OE_S33A.S37A.T41A.T45A_A375 (OTHER) (OTHER) 0.685
JAZF1_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.681
AKT1_OE_E17K_A375 (BIOPOLYMER) (BIOPOLYMER) 0.676
BFP_OE_CTRL_A375 (OTHER) (OTHER) 0.668
SYN2_OE_WT.1_A375 (OTHER) (OTHER) 0.667
DUSP2_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.658
DUSP2_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.633
RAC1_OE_T17N_A375 (PROTEIN_ME) (PROTEIN_ME) 0.568
MEF2B_OE_WT.mismatch_A375 (NUCLEUS) (NUCLEUS) 0.556
MAP3K14_OE_WT_A375 (OTHER) (OTHER) 0.549
MEF2C_OE_A42T_A375 (MULTICELLU) (MULTICELLU) 0.54
HCRED_OE_CTRL_A375 (OTHER) (OTHER) 0.531
CARD11_OE_G1010A_A375 (OTHER) (OTHER) 0.521
GNA13_OE_T1085G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.517
BCR_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.5
TP53_OE_T526A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.494
POU2F2_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) 0.489
LOWEST IC ASSOCIATIONS
C3_7
C1_7
C7_7
C6_7
C5_7
C2_7
C4_7
ERBB3_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) −0.506
HIST1H2AL_OE_G225C_A375 (PUJANA_ATM) (PUJANA_ATM) −0.511
ACTB_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) −0.527
CASP7_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) −0.533
BTG1_OE_WT_A375 (NUCLEUS) (NUCLEUS) −0.543
NFKBIA_OE_G33A_A375 (NUCLEUS) (NUCLEUS) −0.555
S1PR2_OE_WT_A375 (OTHER) (OTHER) −0.566
SOCS1_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) −0.586
SLITRK6_OE_A1742C_A375 (OTHER) (OTHER) −0.589
TMSB4X_OE_del63.64AG_A375 (OTHER) (OTHER) −0.67
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

LYN_OE_WT.3_A375 (NUCLEUS)

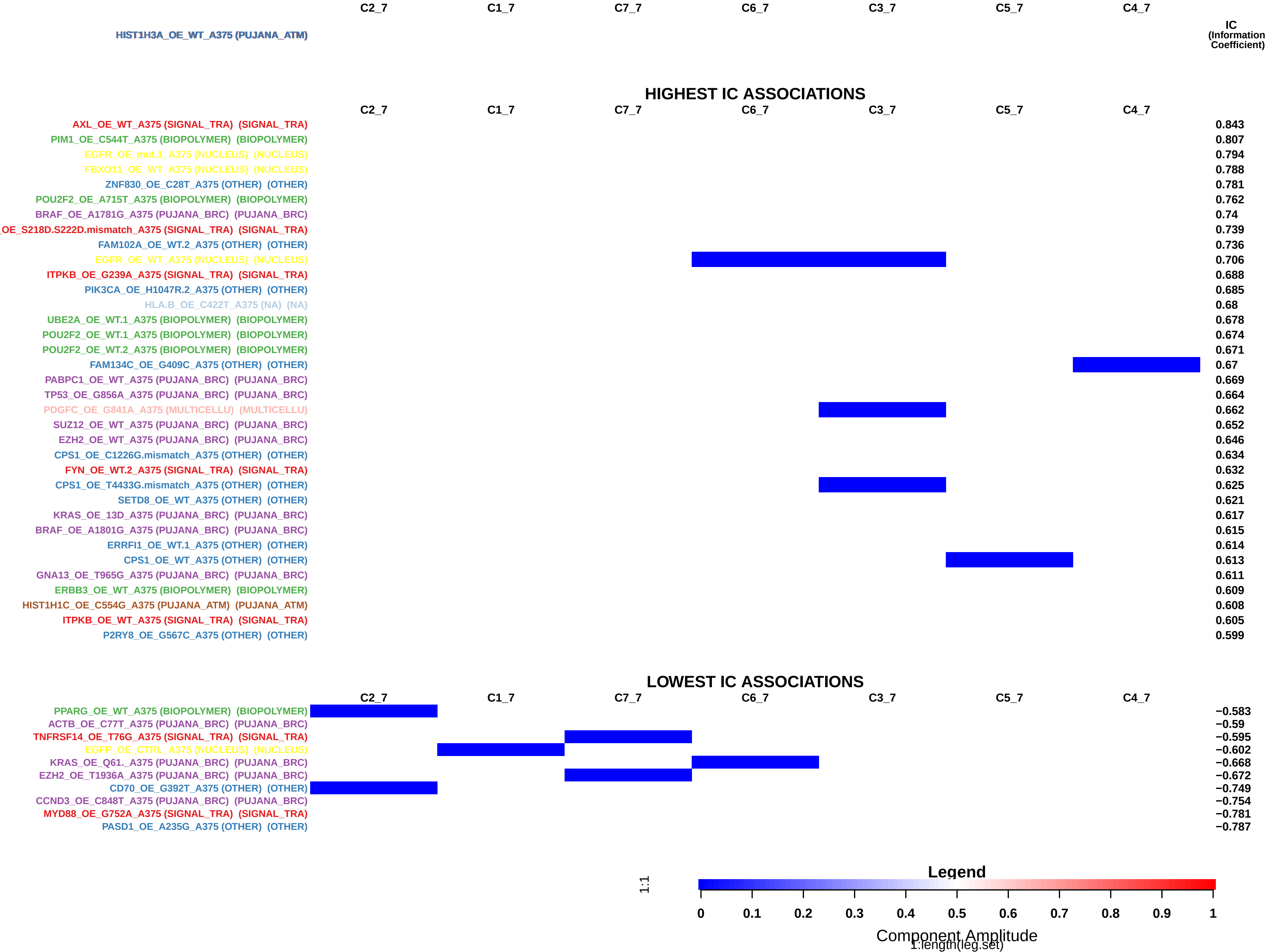


MAP3K14_OE_WT_A375 (OTHER)

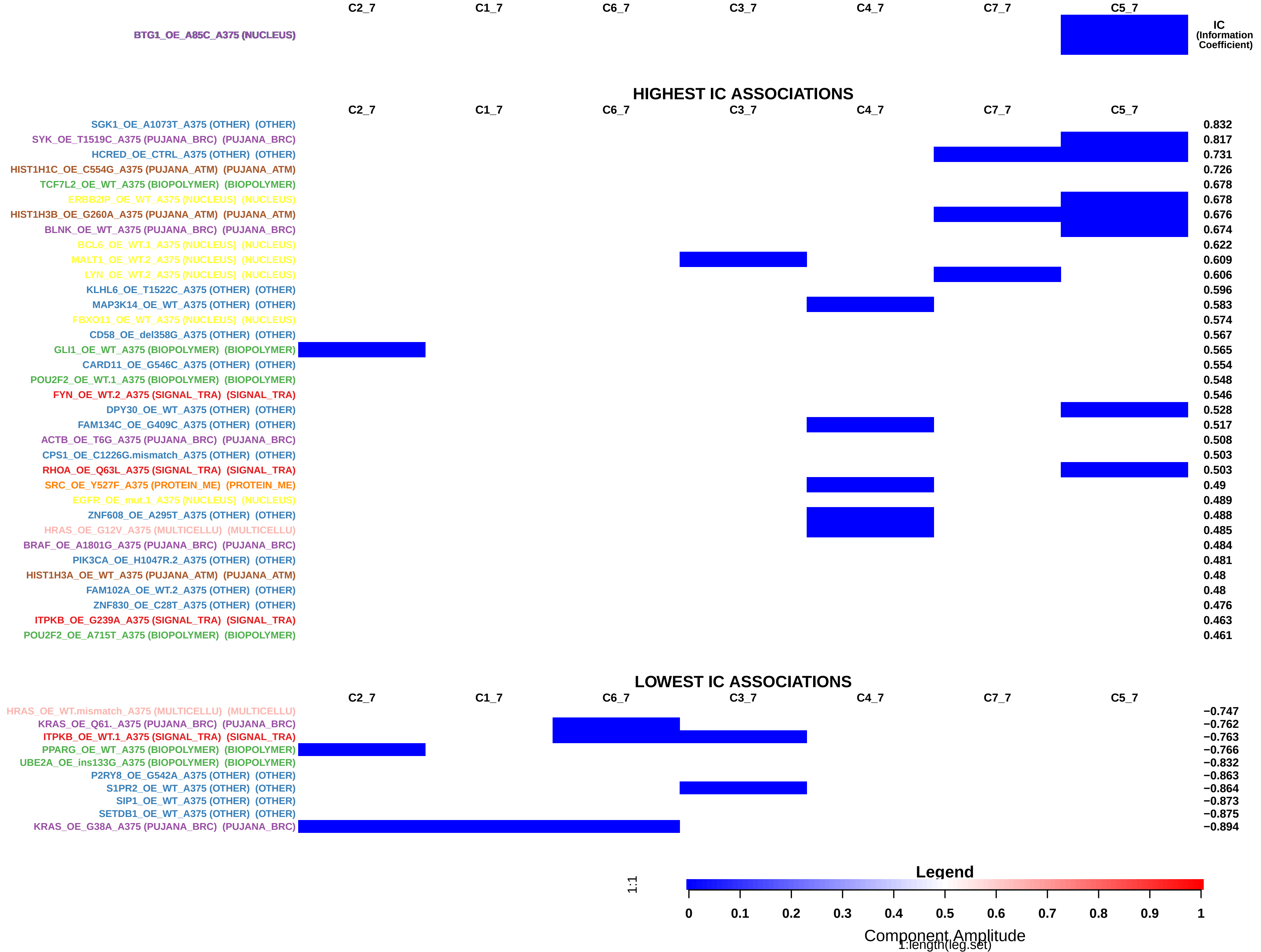



PDGFC_OE_G841A_A375 (MULTICELLU)
C2_7
C1_7
C7_7
C5_7
C4_7
C6_7
C3_7
PDGFC_OE_G841A_A375 (MULTICELLU)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
FBXO11_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.782
FGFR3_OE_K650E_A375 (MULTICELLU) (MULTICELLU) 0.762
PDGFC_OE_G930T_A375 (MULTICELLU) (MULTICELLU) 0.749
FYN_OE_WT.1_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.748
EGFR_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.711
LUCIFERASE_OE_CTRL_A375 (OTHER) (OTHER) 0.67
HIST1H3A_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.662
POU2F2_OE_A715T_A375 (BIOPOLYMER) (BIOPOLYMER) 0.61
FYN_OE_WT.2_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.592
EGFR_OE_mut.1_A375 (NUCLEUS) (NUCLEUS) 0.586
RAF1_OE_L613V_A375 (BIOPOLYMER) (BIOPOLYMER) 0.579
ZNF830_OE_C28T_A375 (OTHER) (OTHER) 0.571
KLHL6_OE_C1696T_A375 (OTHER) (OTHER) 0.568
PAX5_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.564
HIST1H1C_OE_C554G_A375 (PUJANA_ATM) (PUJANA_ATM) 0.561
CPS1_OE_T4433G.mismatch_A375 (OTHER) (OTHER) 0.551
AXL_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.513
NRAS_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.512
GNA13_OE_T965G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.511
SOCS1_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.511
PIM1_OE_C544T_A375 (BIOPOLYMER) (BIOPOLYMER) 0.499
FAM134C_OE_WT_A375 (OTHER) (OTHER) 0.486
MALT1_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.466
ERRFI1_OE_WT.1_A375 (OTHER) (OTHER) 0.459
BRAF_OE_A1781G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.45
UBE2A_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) 0.448
ERBB3_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.446
TP53_OE_G856A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.441
SOCS1_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) 0.433
MALT1_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.431
SUZ12_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.431
EZH2_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.429
KLHL6_OE_WT.1_A375 (OTHER) (OTHER) 0.427
CASP7_OE_A941G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.425
POU2F2_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.419
LOWEST IC ASSOCIATIONS
ITPKB_OE_WT.2_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.573
EZH2_OE_T1936A_A375 (PUJANA_BRC) (PUJANA_BRC) −0.574
PASD1_OE_A235G_A375 (OTHER) (OTHER) −0.574
SLITRK6_OE_G1224T_A375 (OTHER) (OTHER) −0.598
PREX2_OE_WT.1_A375 (OTHER) (OTHER) −0.602
HLA.B_OE_WT_A375 (NA) (NA) −0.613
TP53_OE_G733A_A375 (PUJANA_BRC) (PUJANA_BRC) −0.641
B2M_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) −0.642
TMSB4X_OE_A1T_A375 (OTHER) (OTHER) −0.643
GRB2_OE_A602C_A375 (PUJANA_BRC) (PUJANA_BRC) −0.656
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

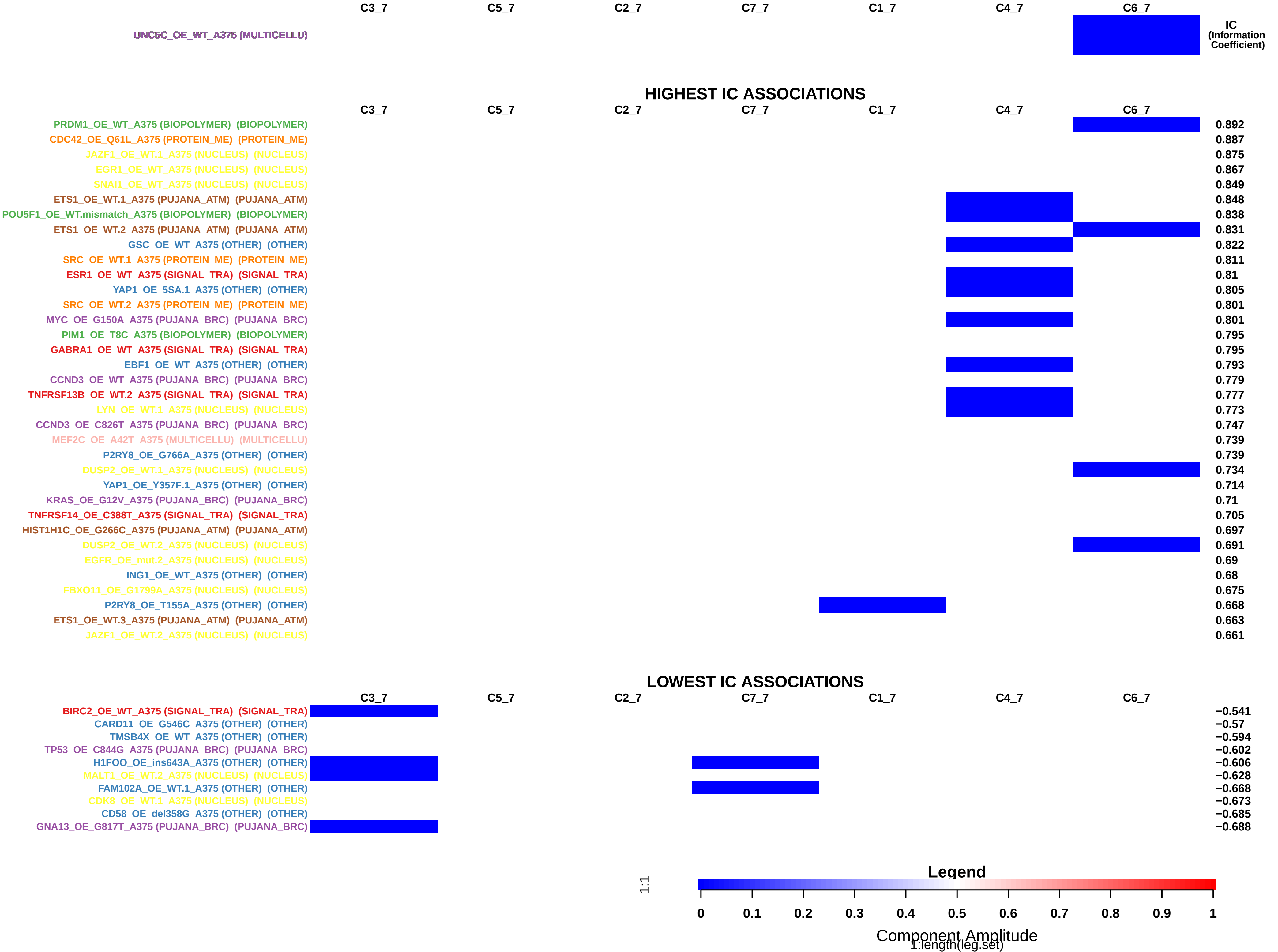
HIST1H3A_OE_WT_A375 (PUJANA_ATM)



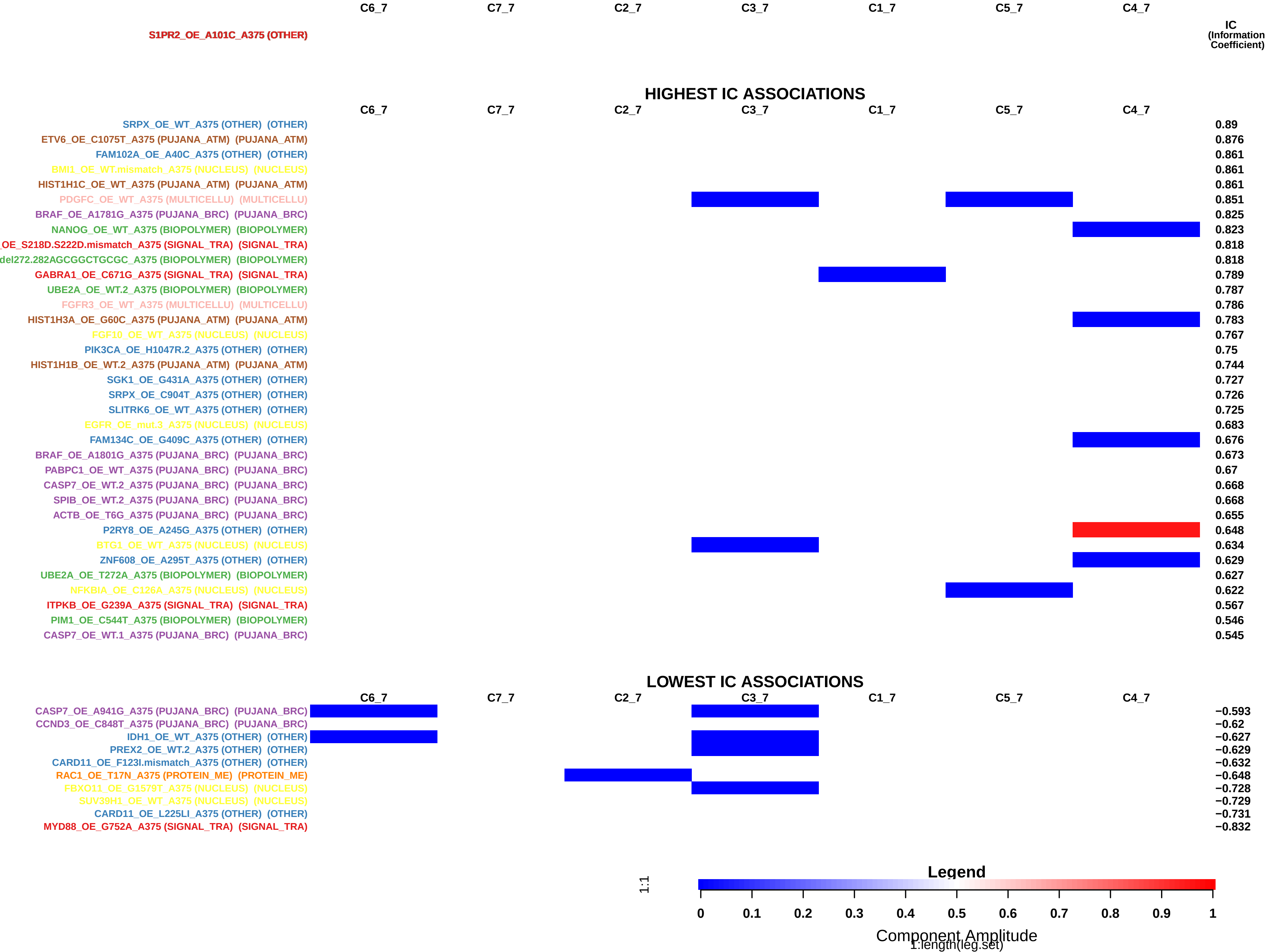
BTG1_OE_A85C_A375 (NUCLEUS)



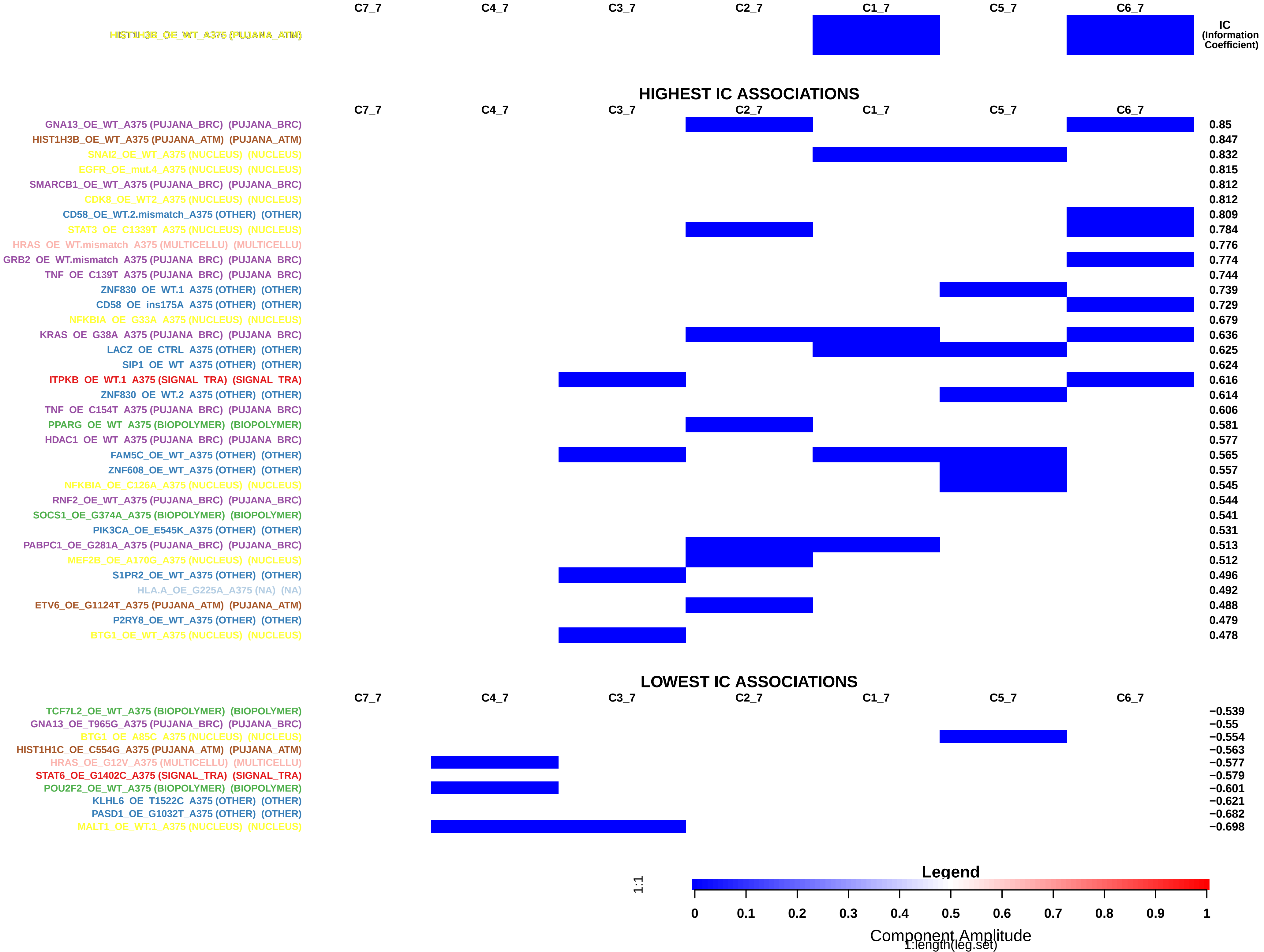
UNC5C_OE_WT_A375 (MULTICELLU)



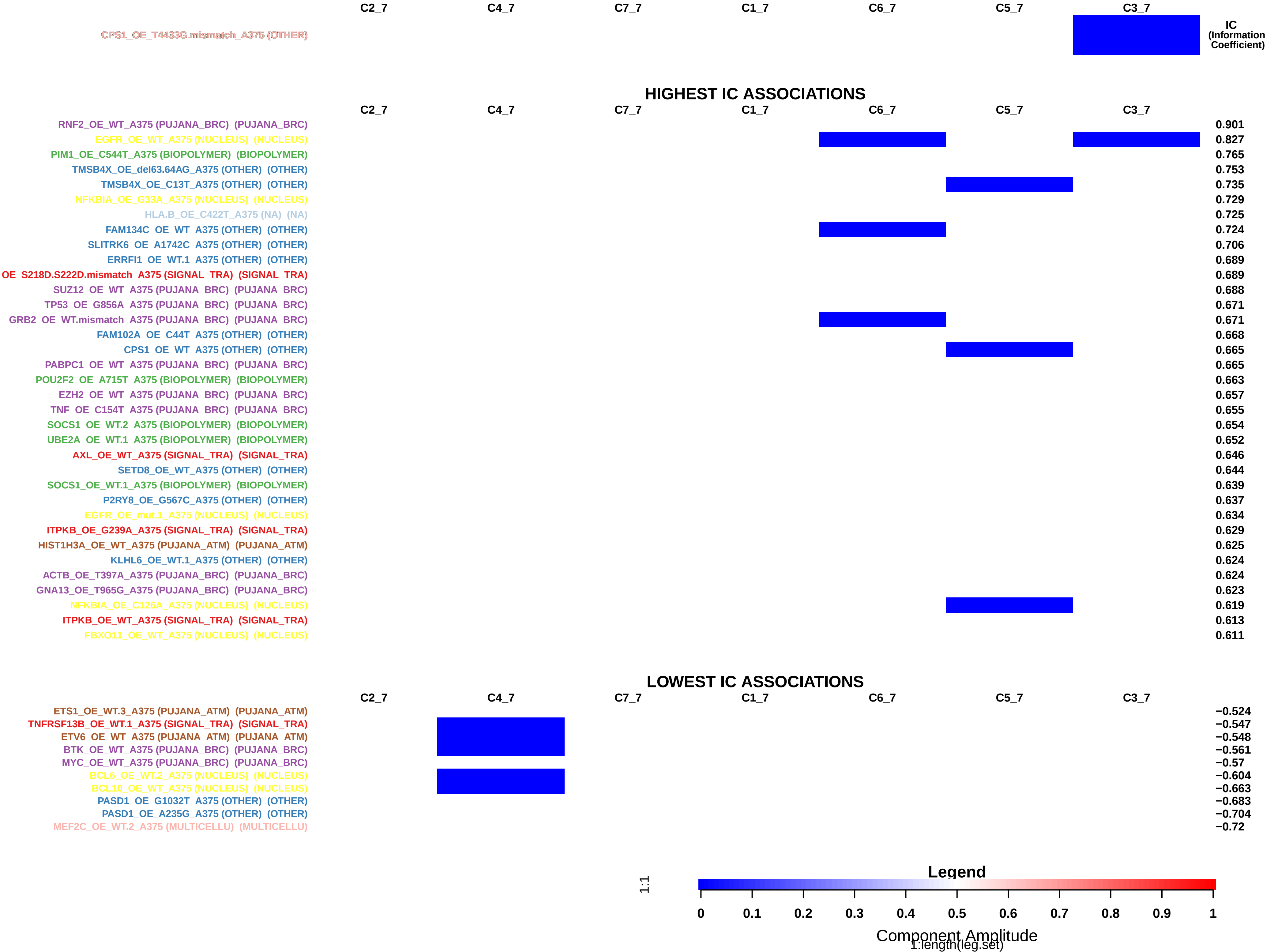
S1PR2_OE_A101C_A375 (OTHER)



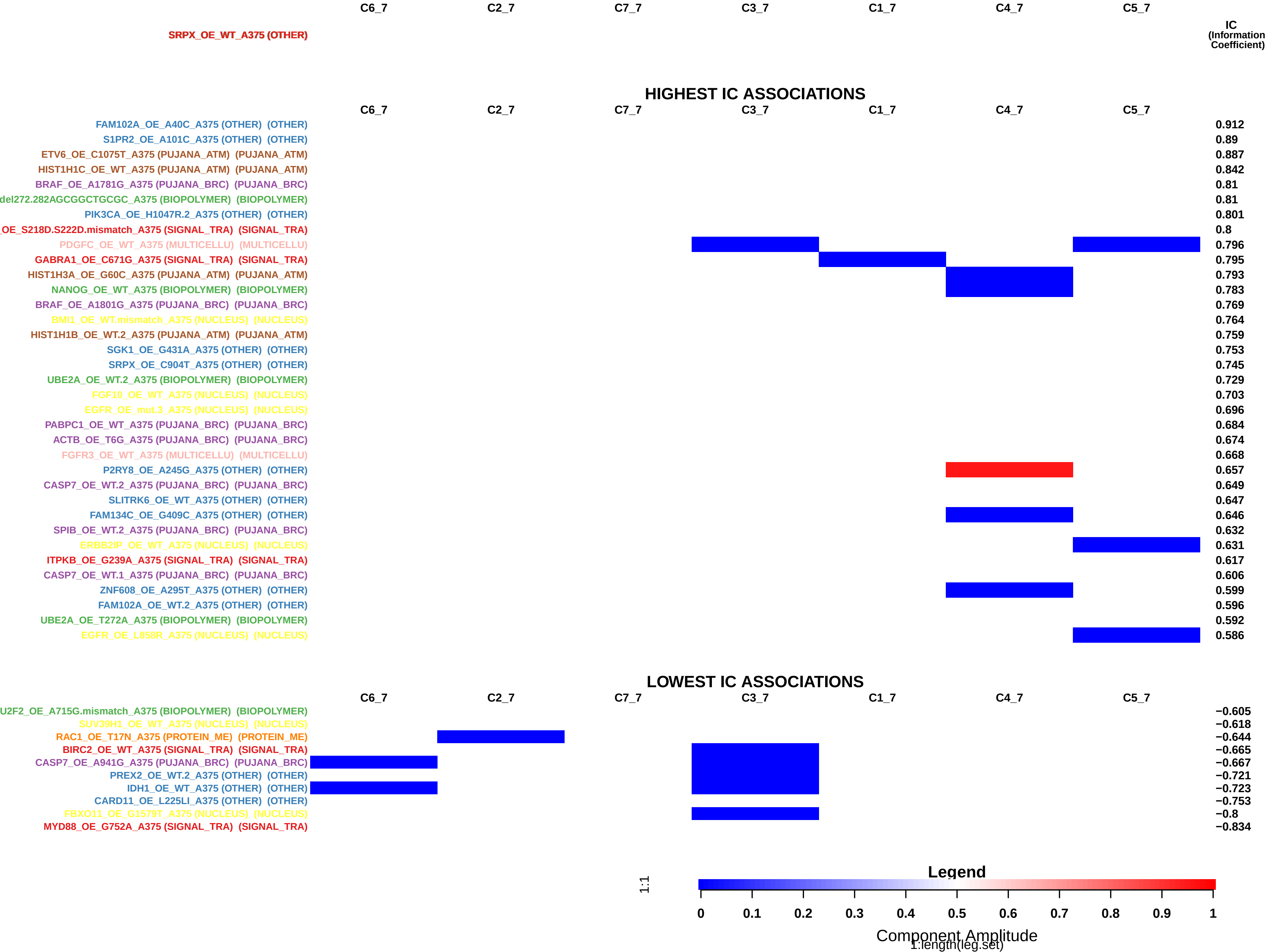
HIST1H3B_OE_WT_A375 (PUJANA_ATM)



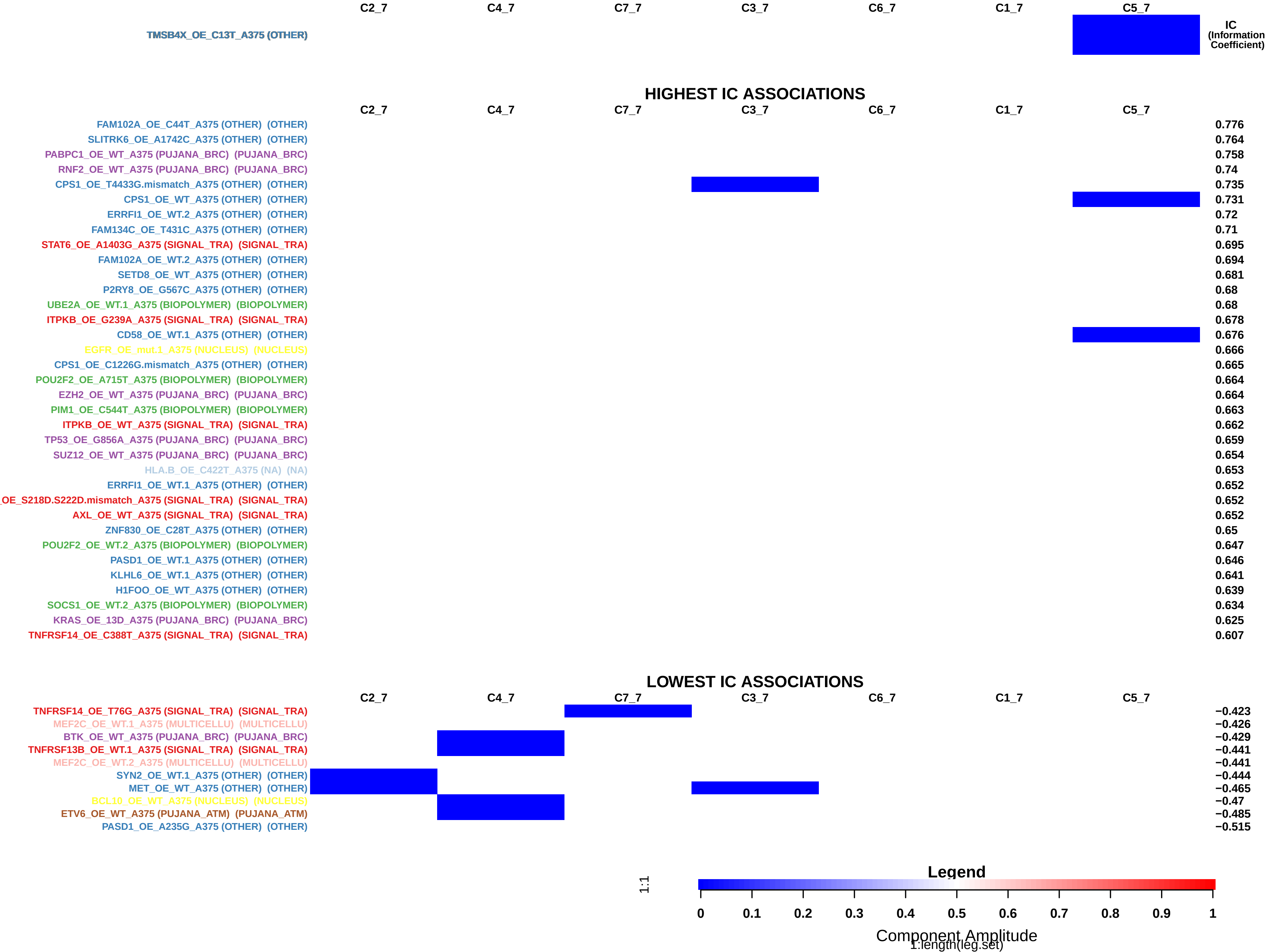
CPS1_OE_T4433G.mismatch_A375 (OTHER)



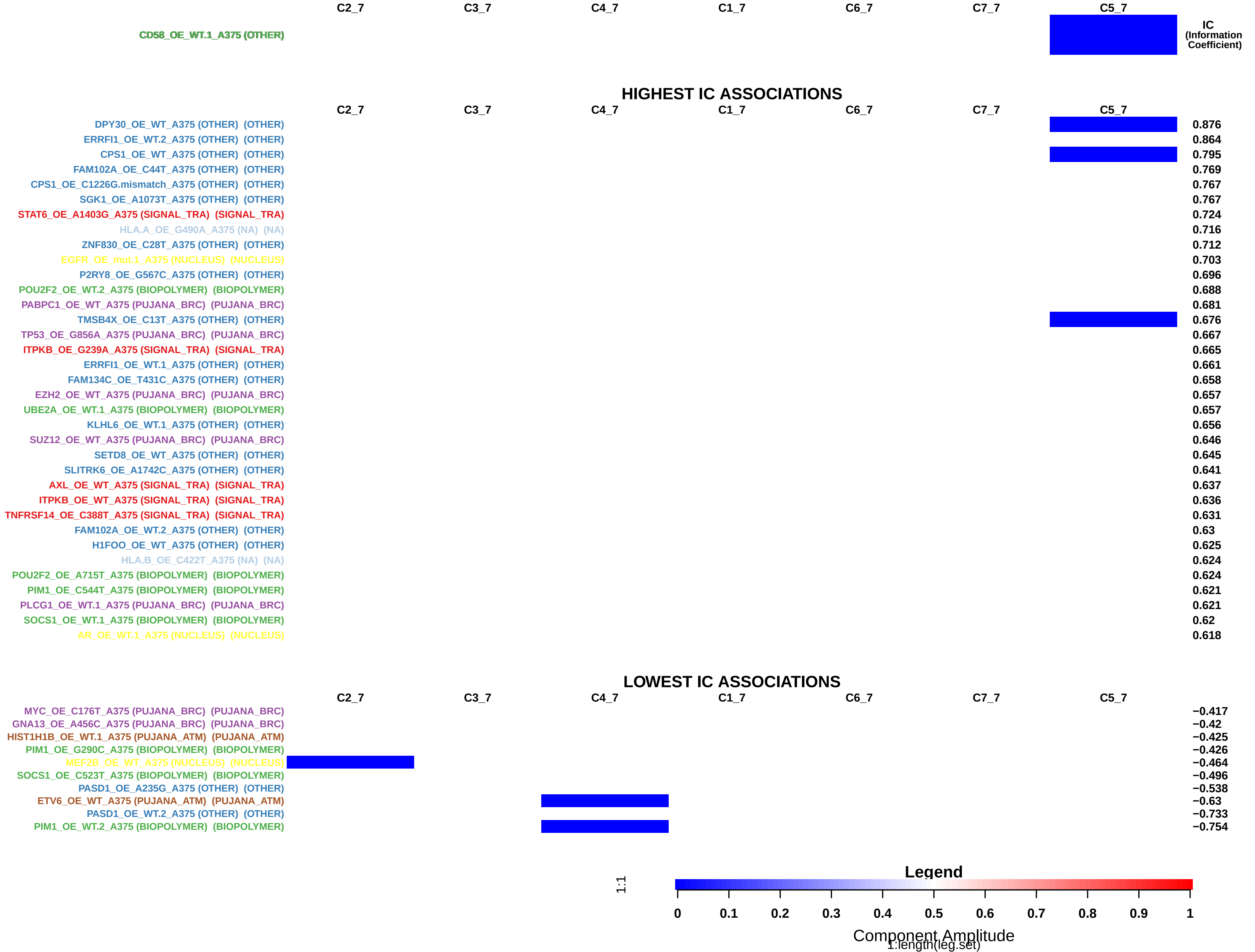
SRPX_OE_WT_A375 (OTHER)

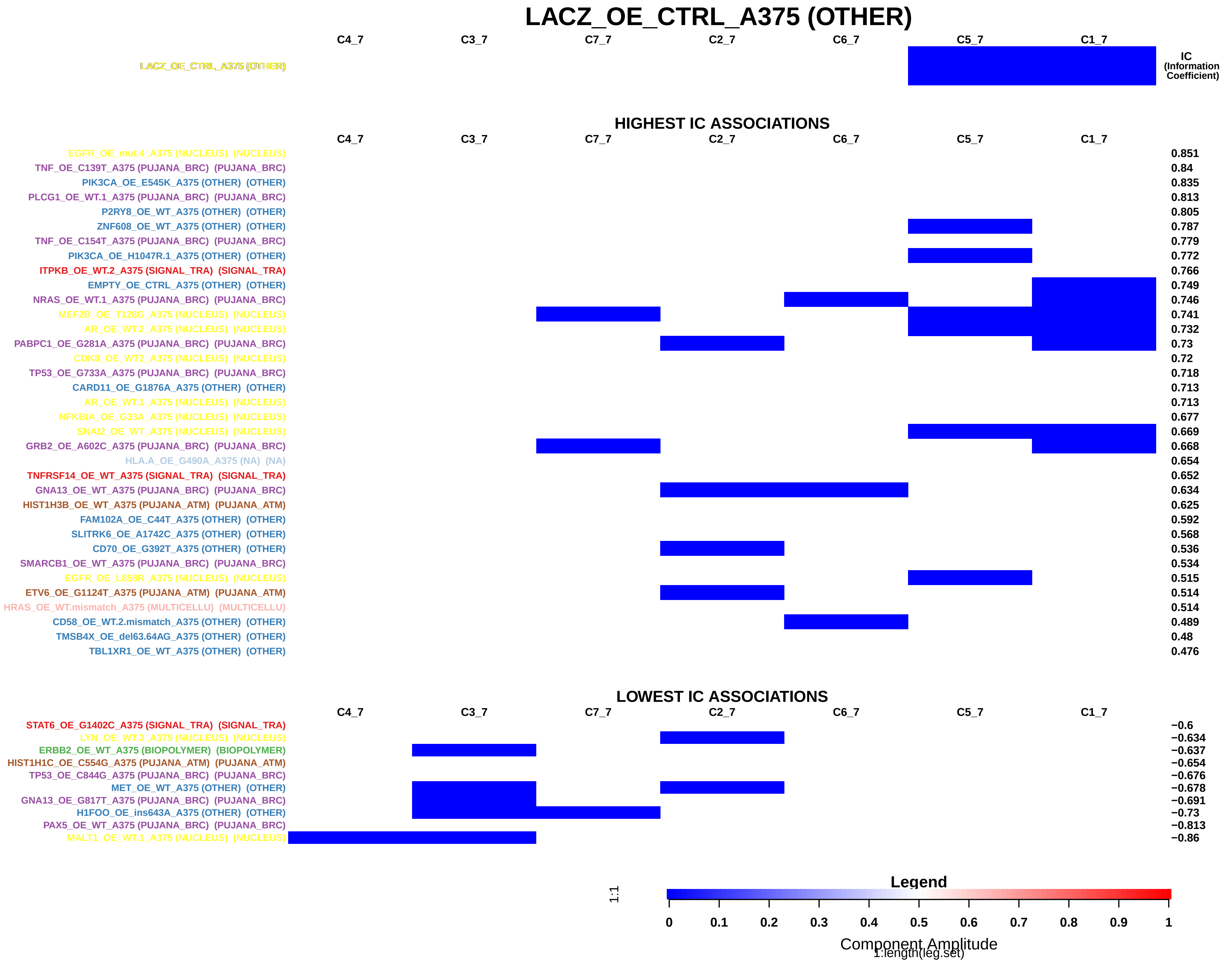


TMSB4X_OE_C13T_A375 (OTHER)

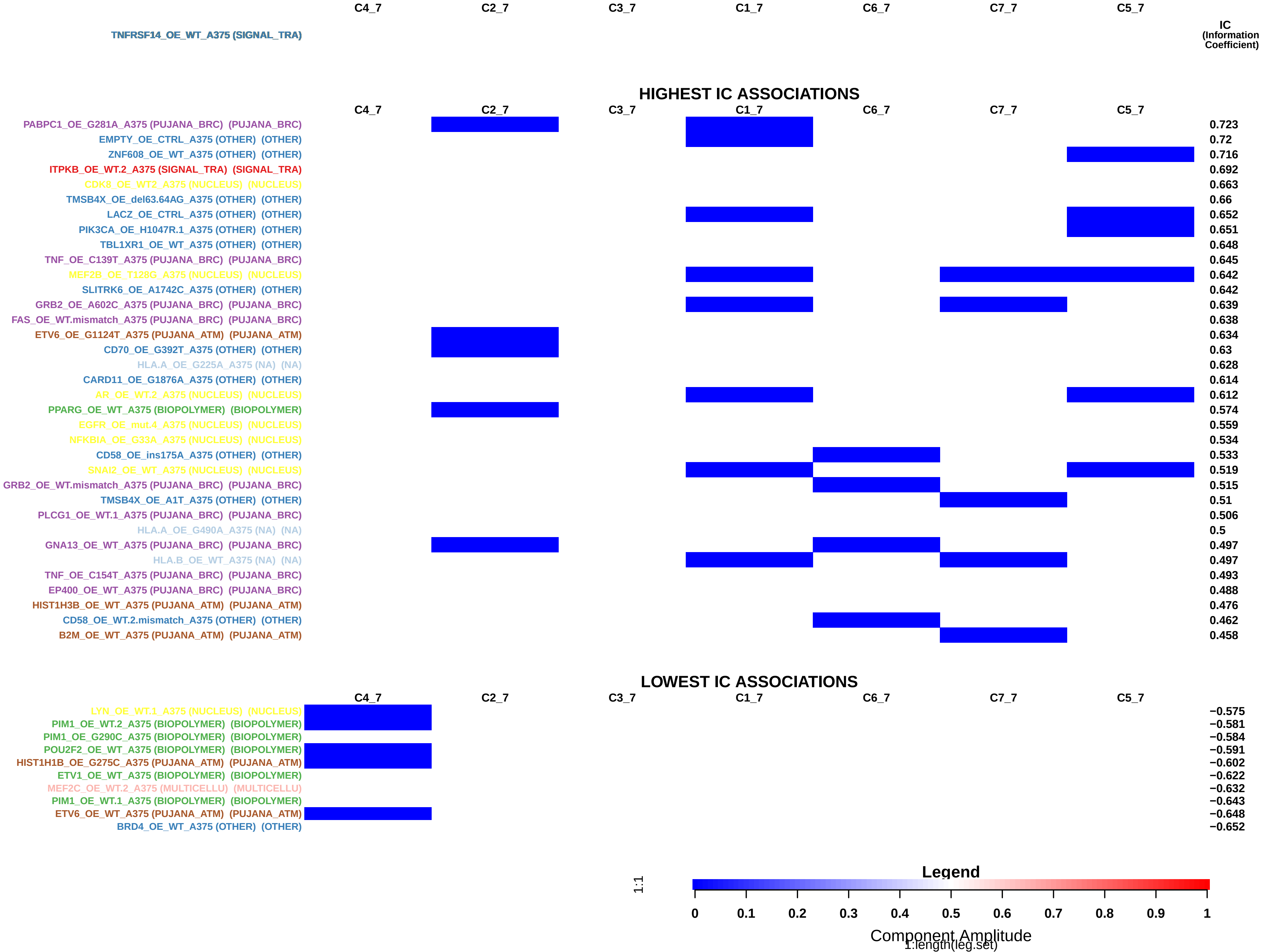


CD58_OE_WT.1_A375 (OTHER)

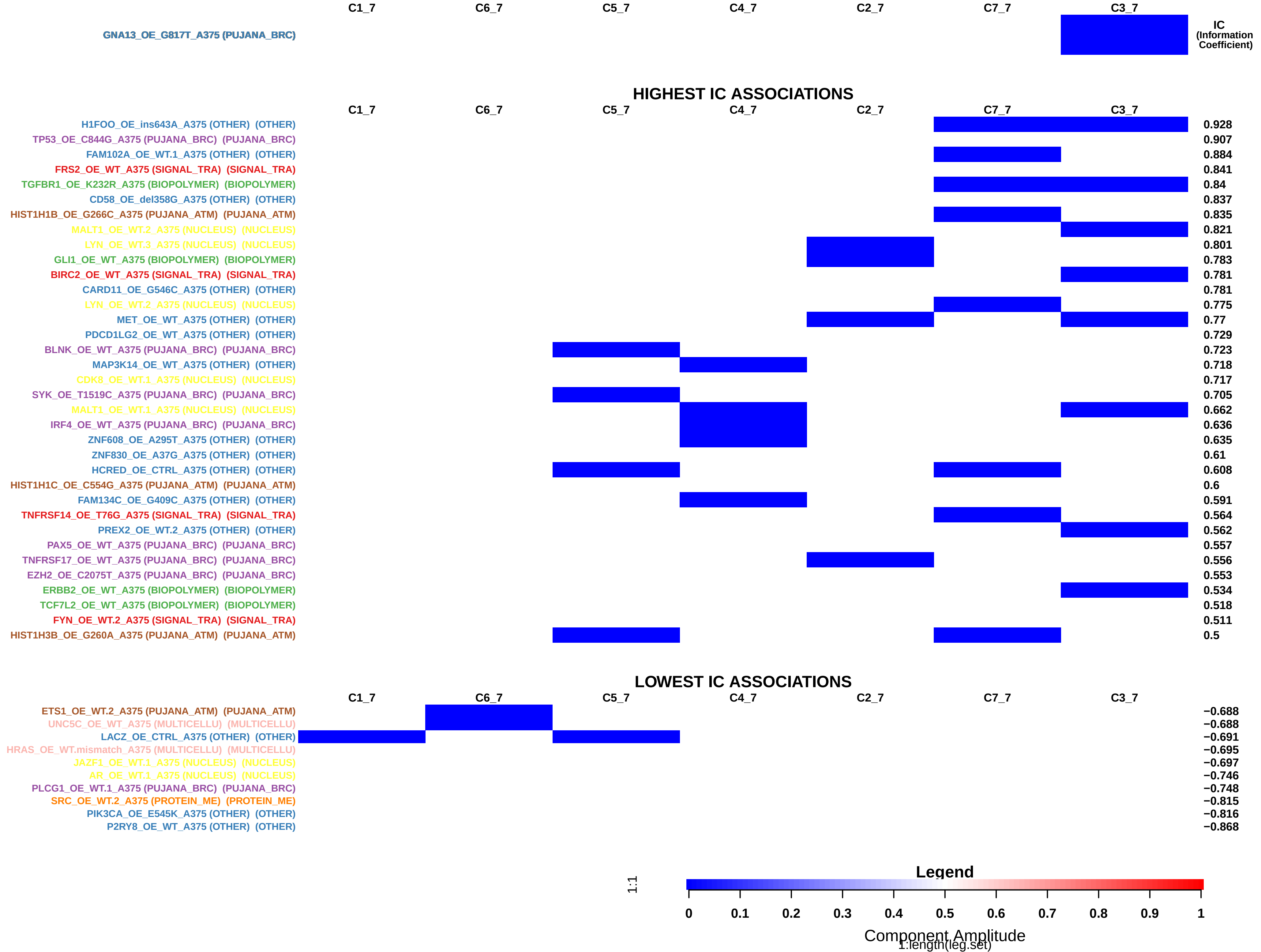



LACZ_OE_CTRL_A375 (OTHER)
C4_7
C3_7
C7_7
C2_7
C6_7
C5_7
C1_7
LACZ_OE_CTRL_A375 (OTHER)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
EGFR_OE_mut.4_A375 (NUCLEUS) (NUCLEUS) 0.851
TNF_OE_C139T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.84
PIK3CA_OE_E545K_A375 (OTHER) (OTHER) 0.835
PLCG1_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) 0.813
P2RY8_OE_WT_A375 (OTHER) (OTHER) 0.805
ZNF608_OE_WT_A375 (OTHER) (OTHER) 0.787
TNF_OE_C154T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.779
PIK3CA_OE_H1047R.1_A375 (OTHER) (OTHER) 0.772
ITPKB_OE_WT.2_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.766
EMPTY_OE_CTRL_A375 (OTHER) (OTHER) 0.749
NRAS_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) 0.746
MEF2B_OE_T128G_A375 (NUCLEUS) (NUCLEUS) 0.741
AR_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.732
PABPC1_OE_G281A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.73
CDK8_OE_WT2_A375 (NUCLEUS) (NUCLEUS) 0.72
TP53_OE_G733A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.718
CARD11_OE_G1876A_A375 (OTHER) (OTHER) 0.713
AR_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.713
NFKBIA_OE_G33A_A375 (NUCLEUS) (NUCLEUS) 0.677
SNAI2_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.669
GRB2_OE_A602C_A375 (PUJANA_BRC) (PUJANA_BRC) 0.668
HLA.A_OE_G490A_A375 (NA) (NA) 0.654
TNFRSF14_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.652
GNA13_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.634
HIST1H3B_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.625
FAM102A_OE_C44T_A375 (OTHER) (OTHER) 0.592
SLITRK6_OE_A1742C_A375 (OTHER) (OTHER) 0.568
CD70_OE_G392T_A375 (OTHER) (OTHER) 0.536
SMARCB1_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.534
EGFR_OE_L858R_A375 (NUCLEUS) (NUCLEUS) 0.515
ETV6_OE_G1124T_A375 (PUJANA_ATM) (PUJANA_ATM) 0.514
HRAS_OE_WT.mismatch_A375 (MULTICELLU) (MULTICELLU) 0.514
CD58_OE_WT.2.mismatch_A375 (OTHER) (OTHER) 0.489
TMSB4X_OE_del63.64AG_A375 (OTHER) (OTHER) 0.48
TBL1XR1_OE_WT_A375 (OTHER) (OTHER) 0.476
LOWEST IC ASSOCIATIONS
STAT6_OE_G1402C_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.6
LYN_OE_WT.3_A375 (NUCLEUS) (NUCLEUS) −0.634
ERBB2_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) −0.637
HIST1H1C_OE_C554G_A375 (PUJANA_ATM) (PUJANA_ATM) −0.654
TP53_OE_C844G_A375 (PUJANA_BRC) (PUJANA_BRC) −0.676
MET_OE_WT_A375 (OTHER) (OTHER) −0.678
GNA13_OE_G817T_A375 (PUJANA_BRC) (PUJANA_BRC) −0.691
H1FOO_OE_ins643A_A375 (OTHER) (OTHER) −0.73
PAX5_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) −0.813
MALT1_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) −0.86
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

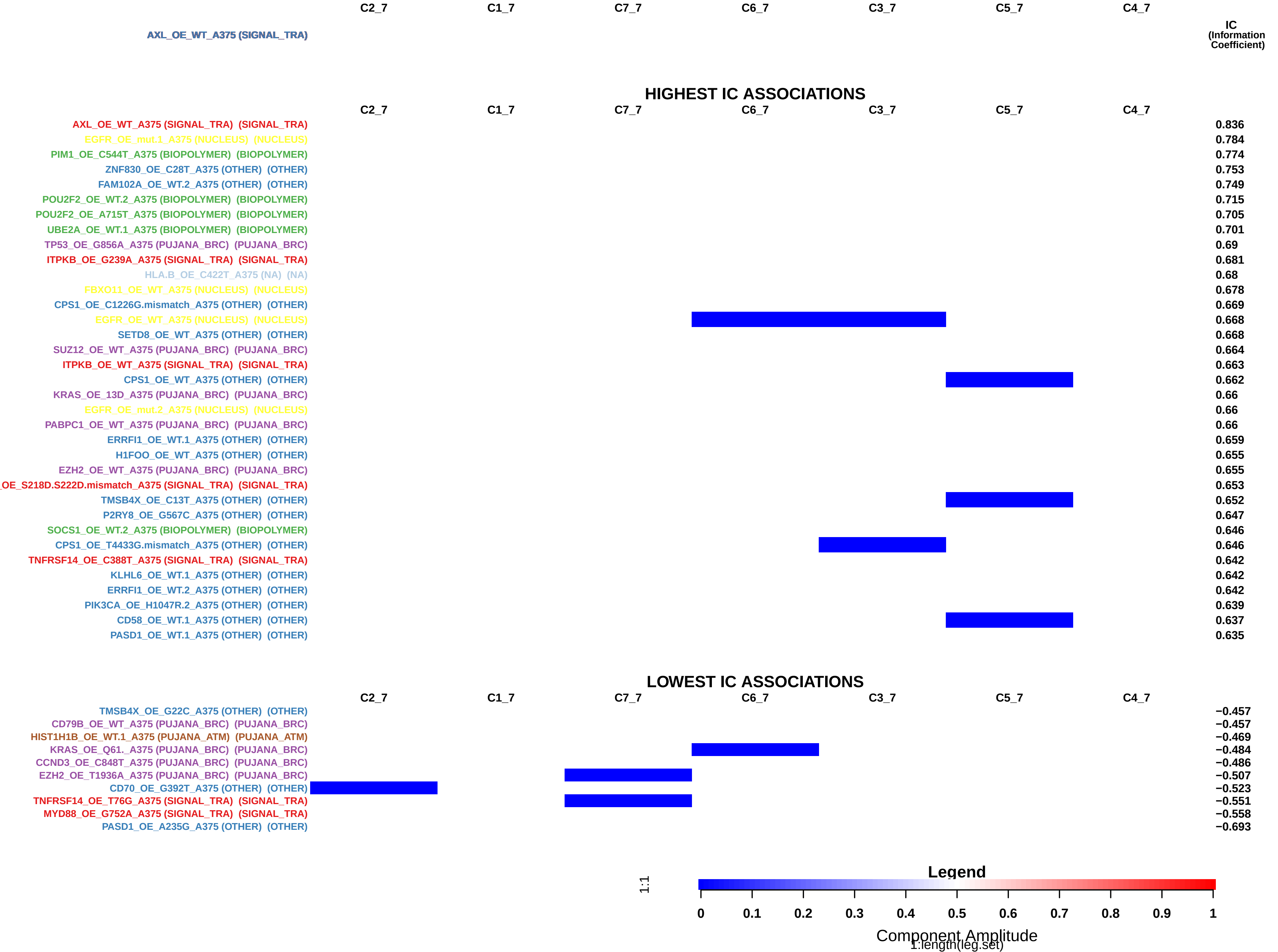
TNFRSF14_OE_WT_A375 (SIGNAL_TRA)



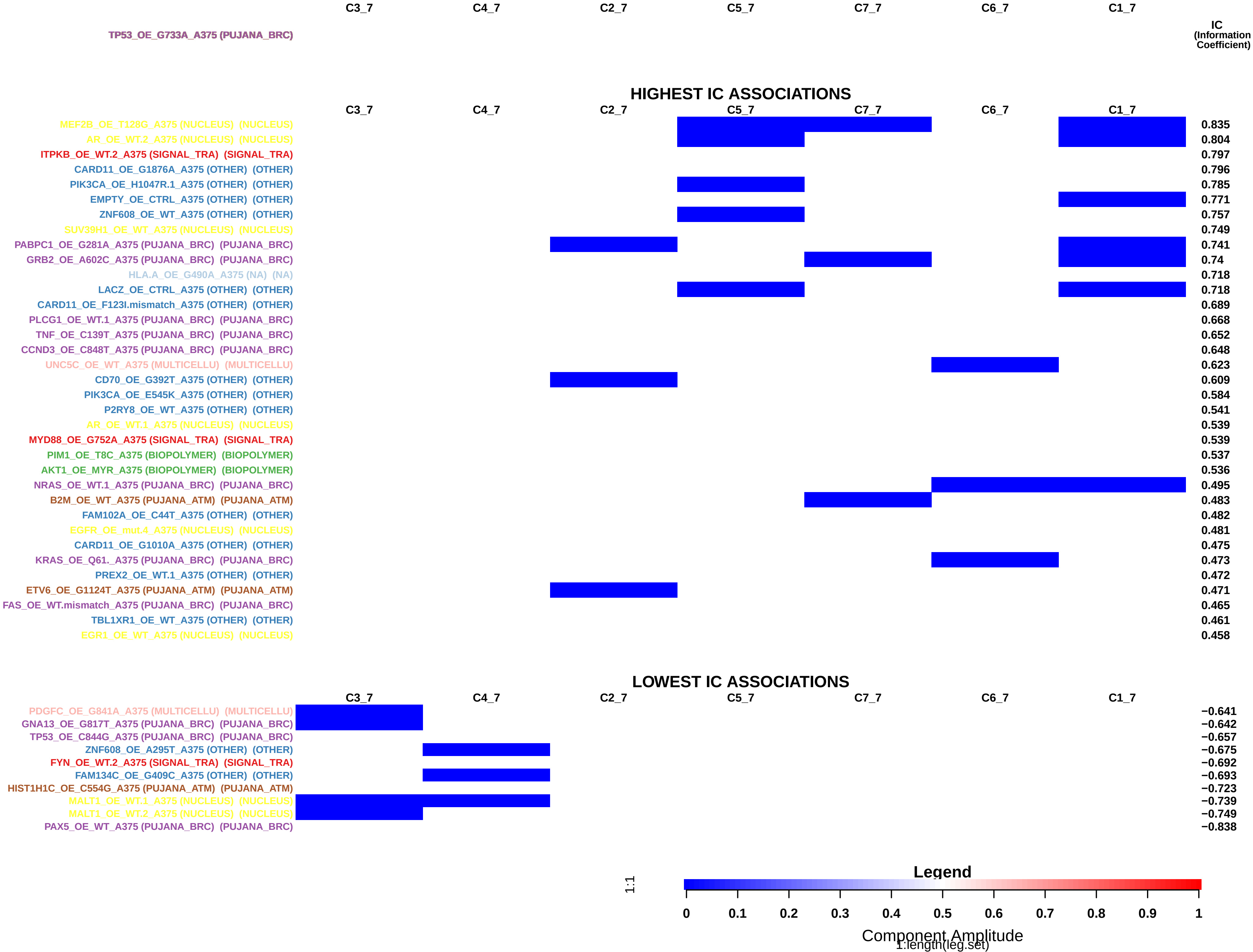
GNA13_OE_G817T_A375 (PUJANA_BRC)



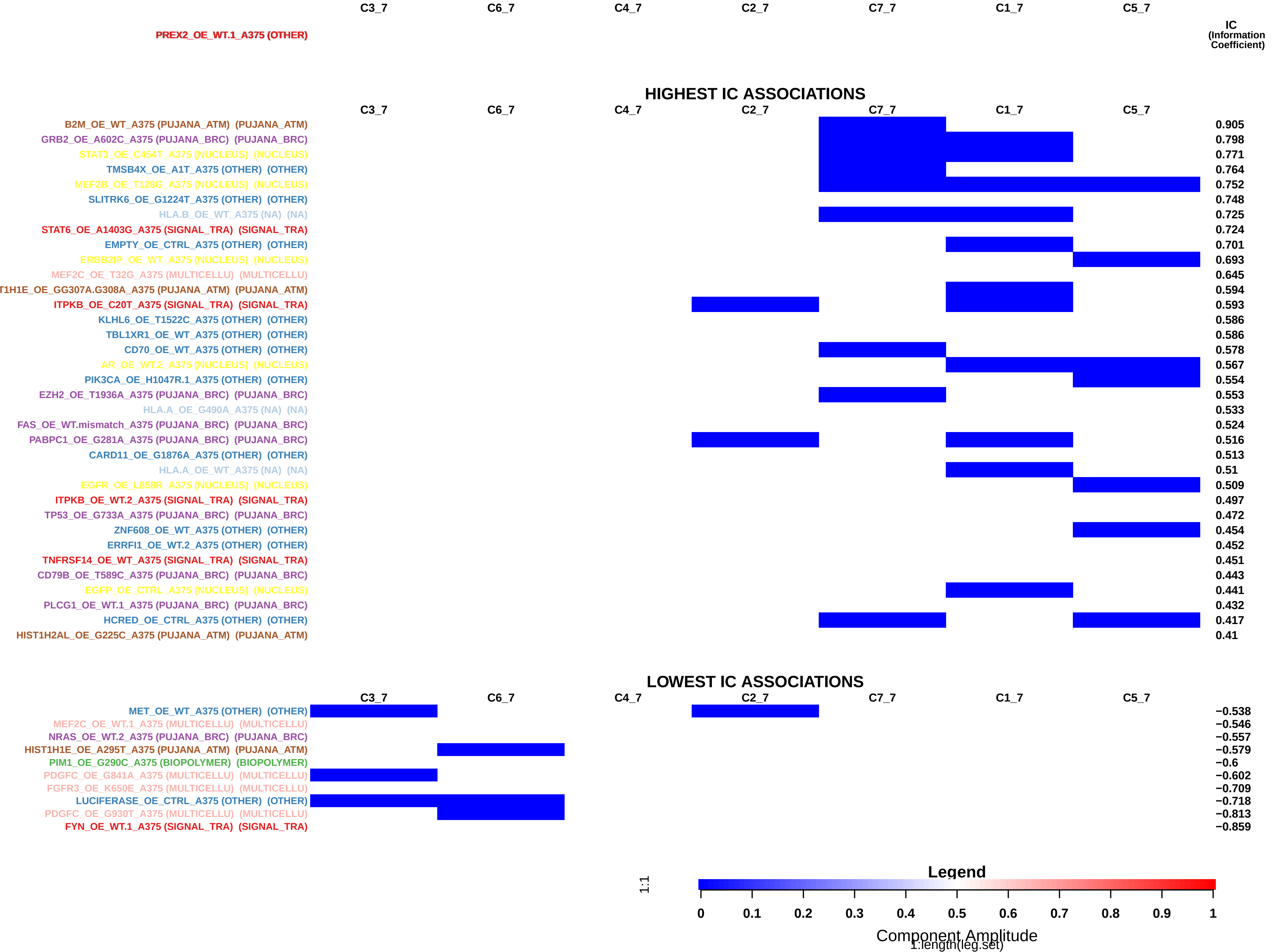
AXL_OE_WT_A375 (SIGNAL_TRA)

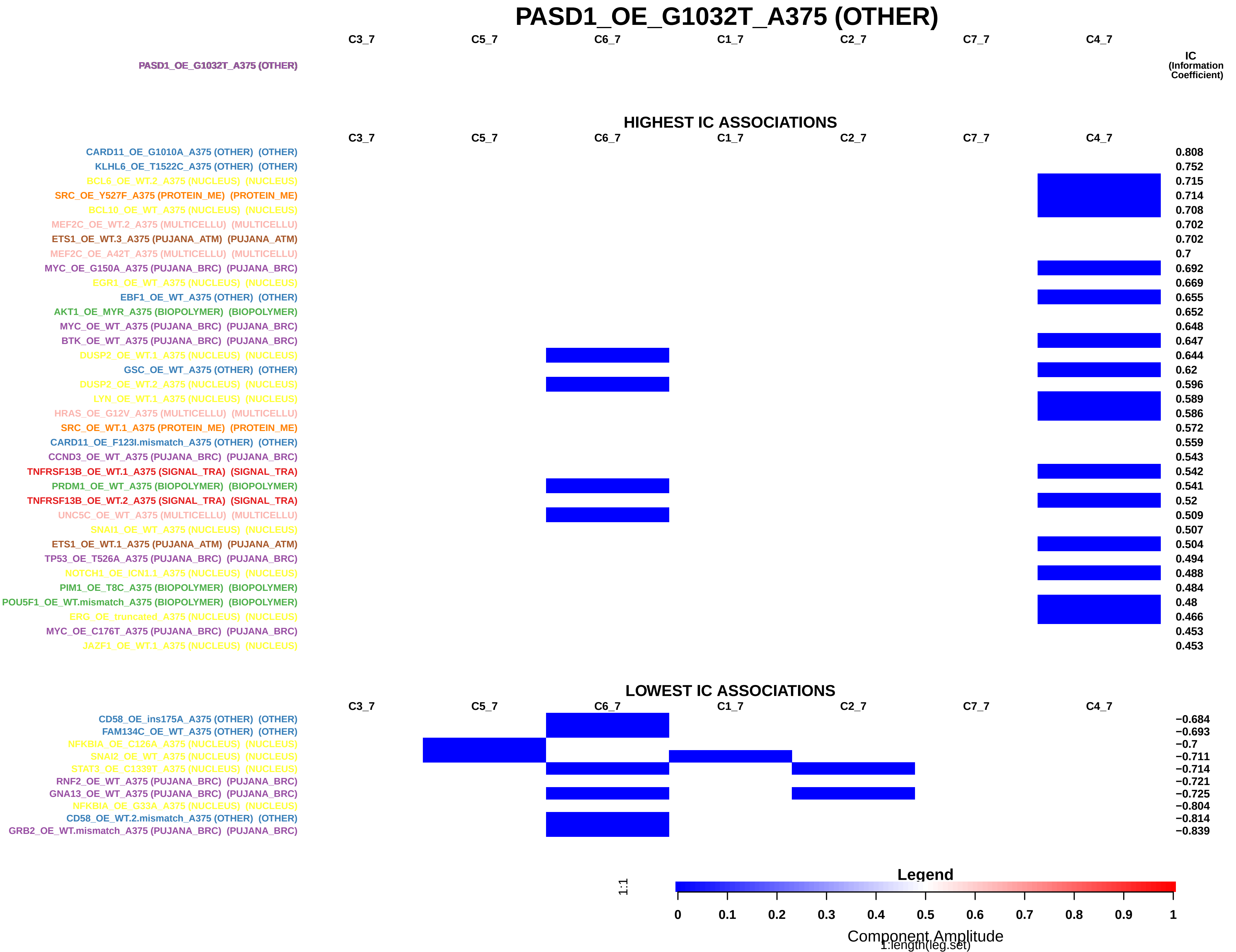


TP53_OE_G733A_A375 (PUJANA_BRC)

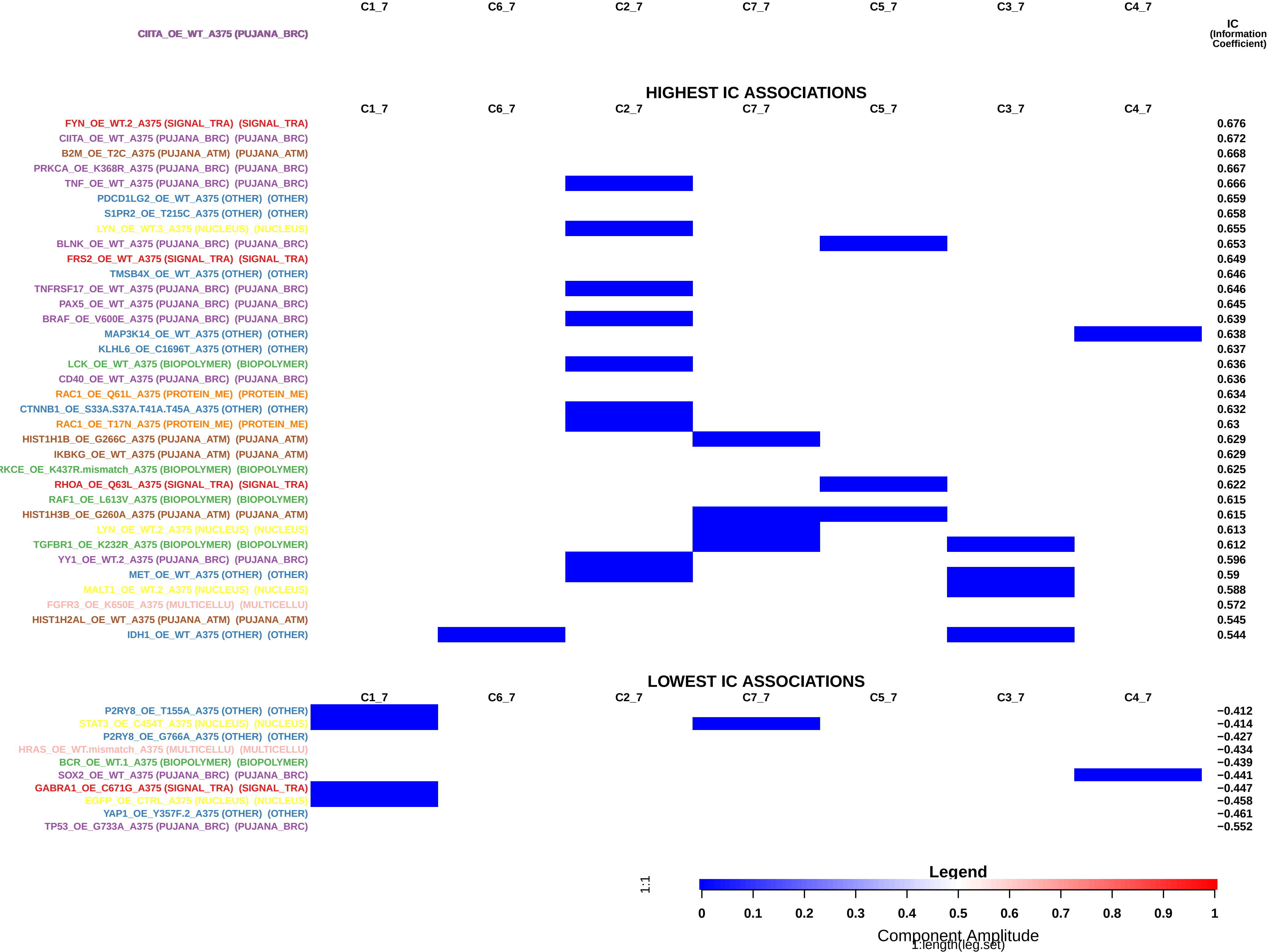


PREX2_OE_WT.1_A375 (OTHER)

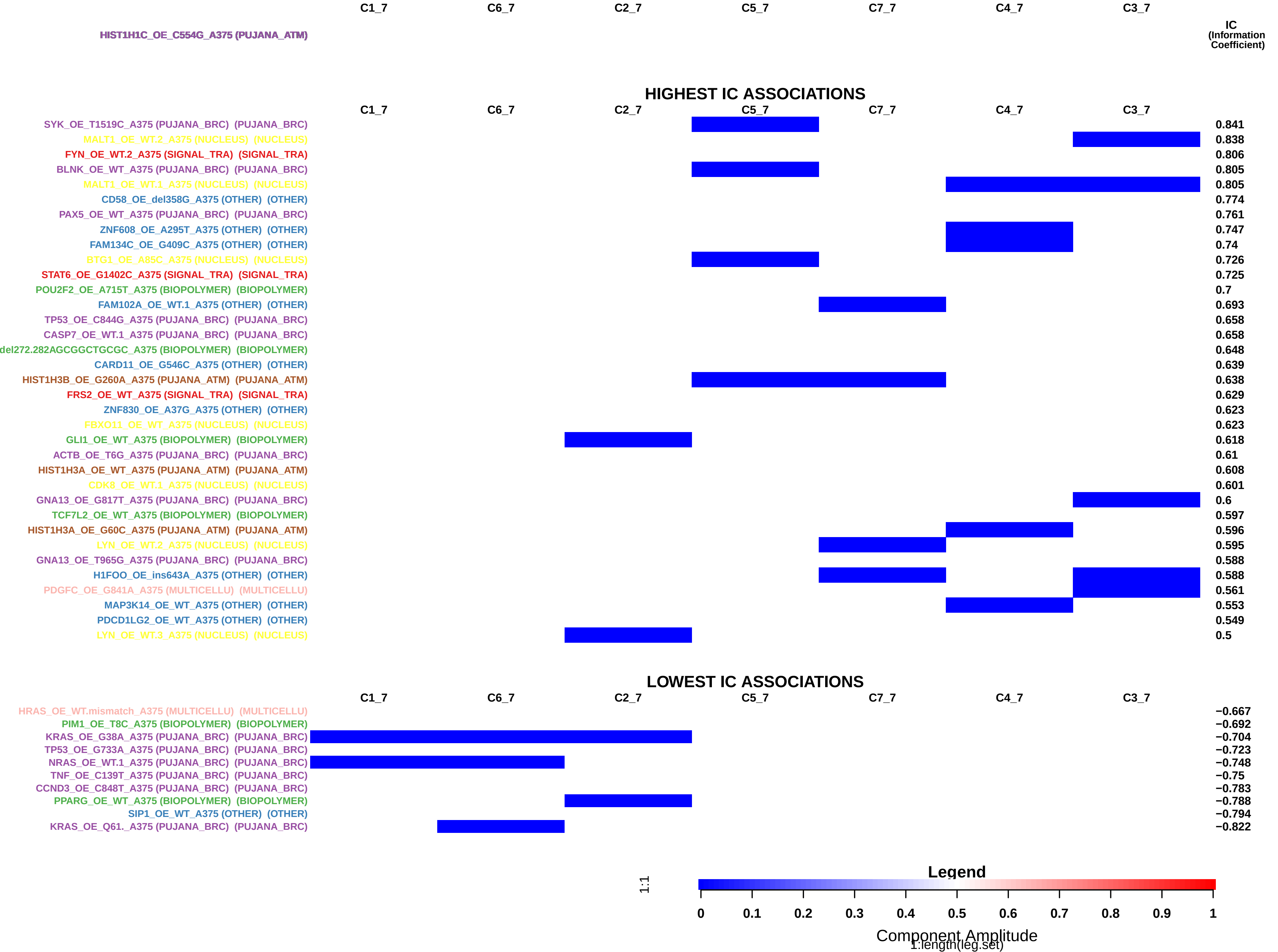



PASD1_OE_G1032T_A375 (OTHER)
C3_7
C5_7
C6_7
C1_7
C2_7
C7_7
C4_7
PASD1_OE_G1032T_A375 (OTHER)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
C3_7
C5_7
C6_7
C1_7
C2_7
C7_7
C4_7
CARD11_OE_G1010A_A375 (OTHER) (OTHER) 0.808
KLHL6_OE_T1522C_A375 (OTHER) (OTHER) 0.752
BCL6_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.715
SRC_OE_Y527F_A375 (PROTEIN_ME) (PROTEIN_ME) 0.714
BCL10_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.708
MEF2C_OE_WT.2_A375 (MULTICELLU) (MULTICELLU) 0.702
ETS1_OE_WT.3_A375 (PUJANA_ATM) (PUJANA_ATM) 0.702
MEF2C_OE_A42T_A375 (MULTICELLU) (MULTICELLU) 0.7
MYC_OE_G150A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.692
EGR1_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.669
EBF1_OE_WT_A375 (OTHER) (OTHER) 0.655
AKT1_OE_MYR_A375 (BIOPOLYMER) (BIOPOLYMER) 0.652
MYC_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.648
BTK_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.647
DUSP2_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.644
GSC_OE_WT_A375 (OTHER) (OTHER) 0.62
DUSP2_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.596
LYN_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.589
HRAS_OE_G12V_A375 (MULTICELLU) (MULTICELLU) 0.586
SRC_OE_WT.1_A375 (PROTEIN_ME) (PROTEIN_ME) 0.572
CARD11_OE_F123I.mismatch_A375 (OTHER) (OTHER) 0.559
CCND3_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.543
TNFRSF13B_OE_WT.1_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.542
PRDM1_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.541
TNFRSF13B_OE_WT.2_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.52
UNC5C_OE_WT_A375 (MULTICELLU) (MULTICELLU) 0.509
SNAI1_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.507
ETS1_OE_WT.1_A375 (PUJANA_ATM) (PUJANA_ATM) 0.504
TP53_OE_T526A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.494
NOTCH1_OE_ICN1.1_A375 (NUCLEUS) (NUCLEUS) 0.488
PIM1_OE_T8C_A375 (BIOPOLYMER) (BIOPOLYMER) 0.484
POU5F1_OE_WT.mismatch_A375 (BIOPOLYMER) (BIOPOLYMER) 0.48
ERG_OE_truncated_A375 (NUCLEUS) (NUCLEUS) 0.466
MYC_OE_C176T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.453
JAZF1_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.453
LOWEST IC ASSOCIATIONS
C3_7
C5_7
C6_7
C1_7
C2_7
C7_7
C4_7
CD58_OE_ins175A_A375 (OTHER) (OTHER) −0.684
FAM134C_OE_WT_A375 (OTHER) (OTHER) −0.693
NFKBIA_OE_C126A_A375 (NUCLEUS) (NUCLEUS) −0.7
SNAI2_OE_WT_A375 (NUCLEUS) (NUCLEUS) −0.711
STAT3_OE_C1339T_A375 (NUCLEUS) (NUCLEUS) −0.714
RNF2_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) −0.721
GNA13_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) −0.725
NFKBIA_OE_G33A_A375 (NUCLEUS) (NUCLEUS) −0.804
CD58_OE_WT.2.mismatch_A375 (OTHER) (OTHER) −0.814
GRB2_OE_WT.mismatch_A375 (PUJANA_BRC) (PUJANA_BRC) −0.839
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

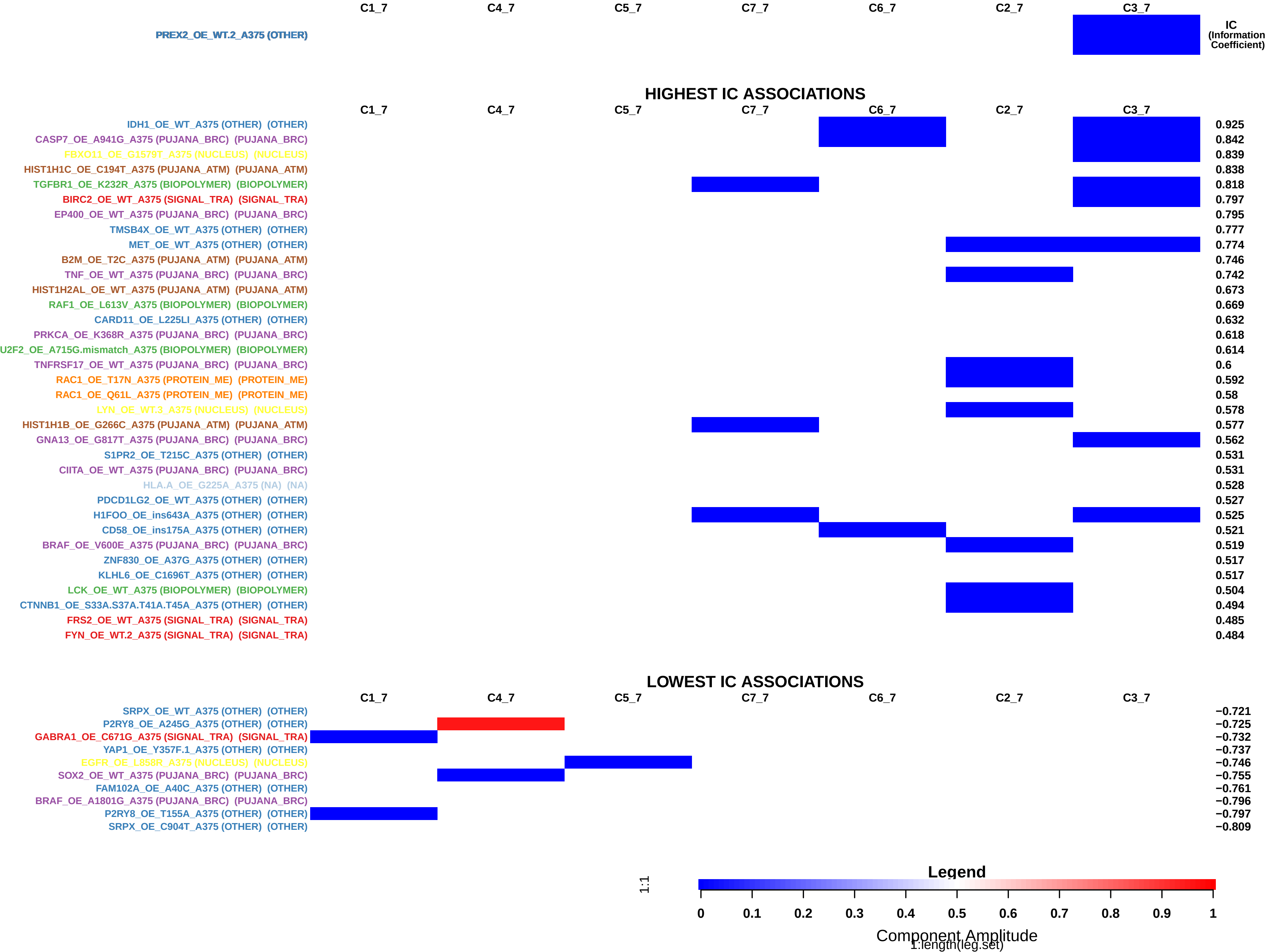
CIITA_OE_WT_A375 (PUJANA_BRC)

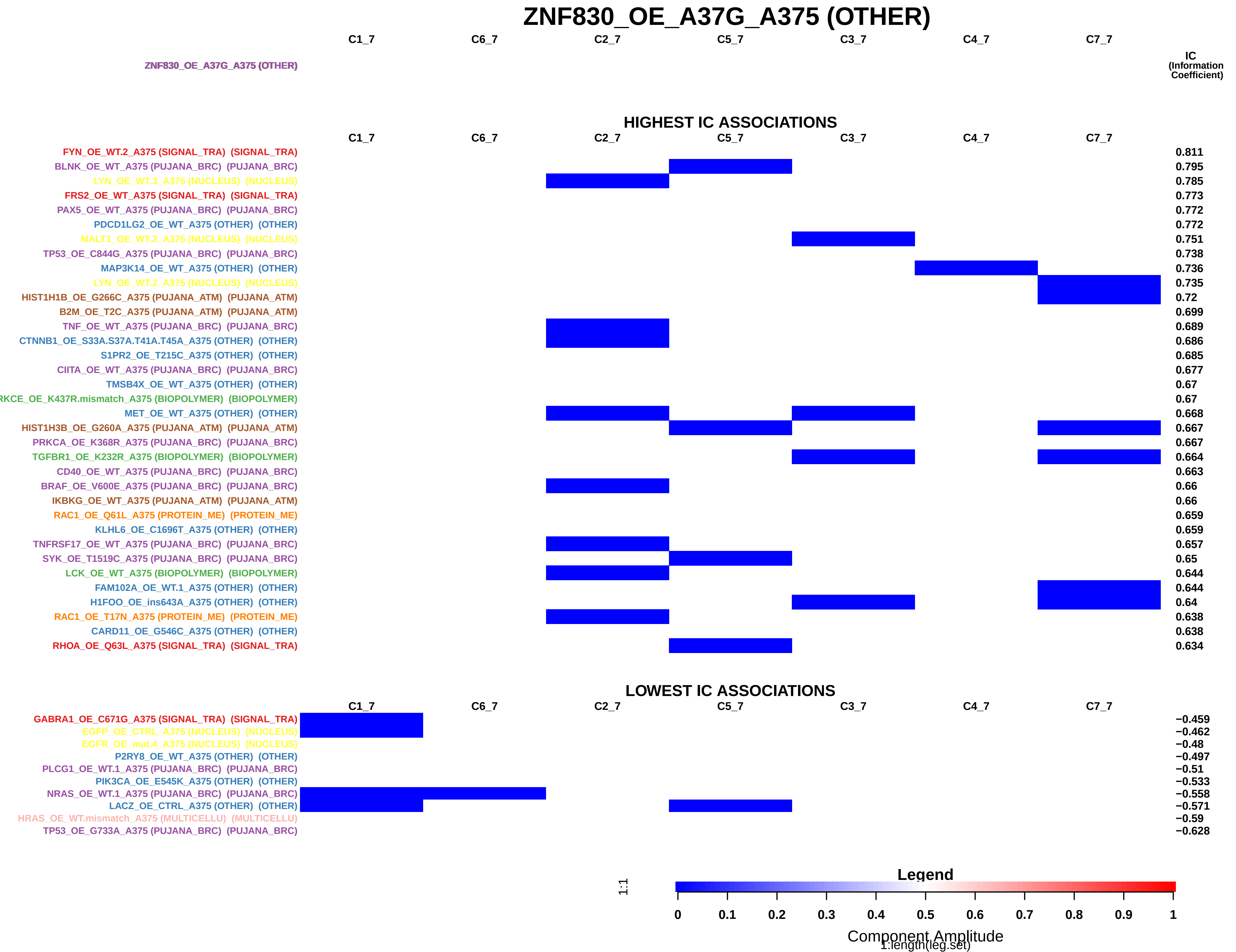


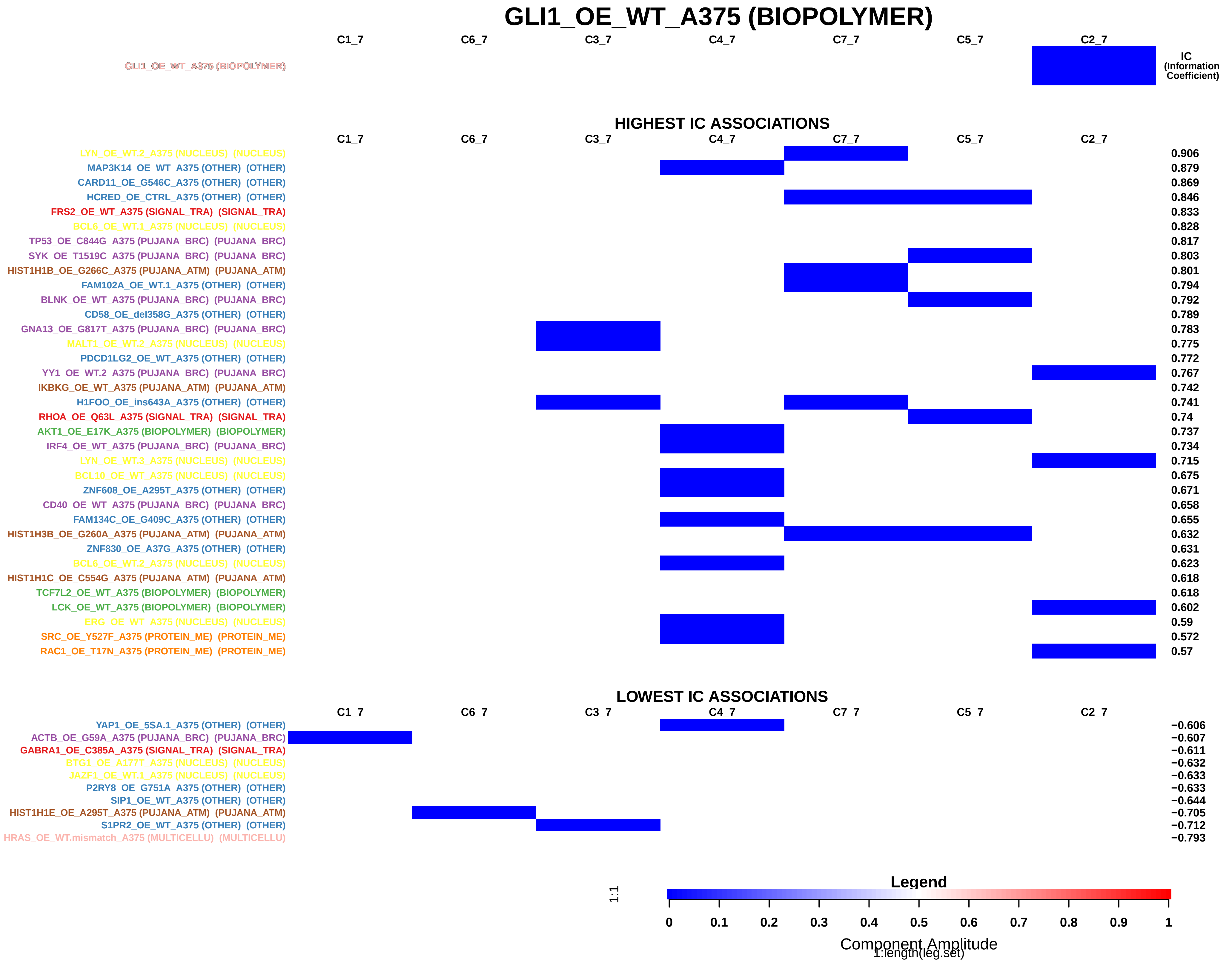
HIST1H1C_OE_C554G_A375 (PUJANA_ATM)



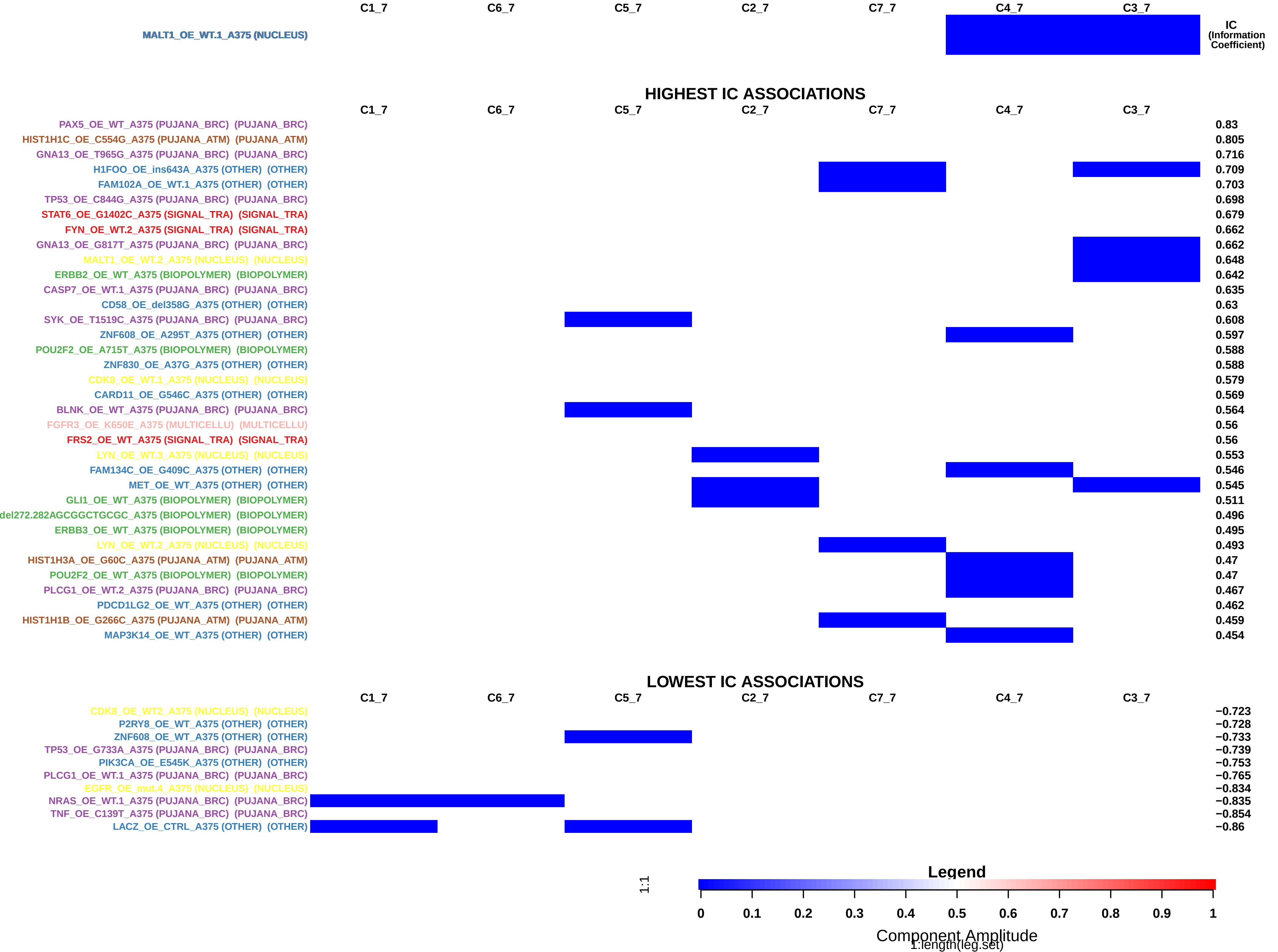
PREX2_OE_WT.2_A375 (OTHER)



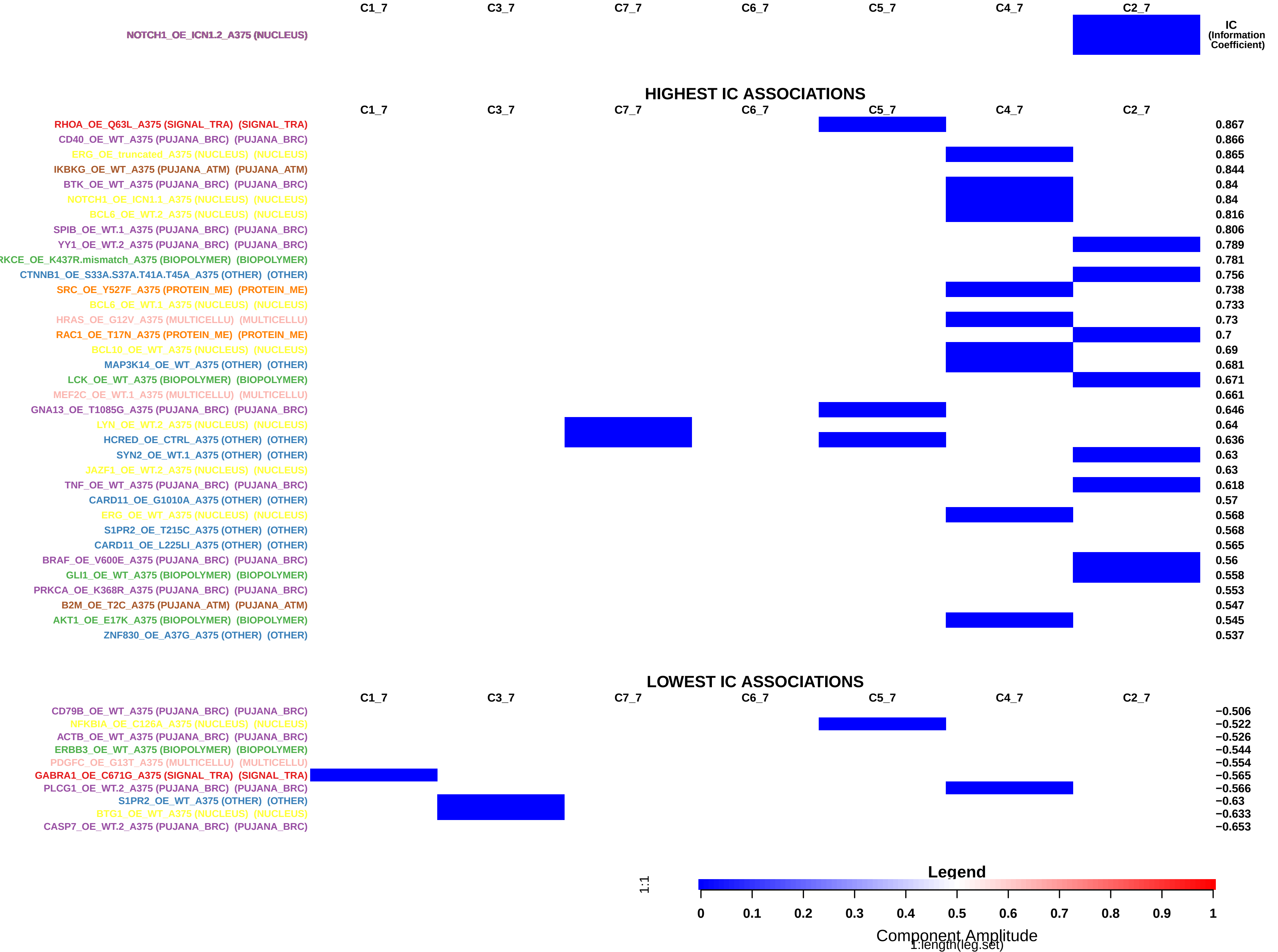

ZNF830_OE_A37G_A375 (OTHER)
C1_7
C6_7
C2_7
C5_7
C3_7
C4_7
C7_7
ZNF830_OE_A37G_A375 (OTHER)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
FYN_OE_WT.2_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.811
BLNK_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.795
LYN_OE_WT.3_A375 (NUCLEUS) (NUCLEUS) 0.785
FRS2_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.773
PAX5_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.772
PDCD1LG2_OE_WT_A375 (OTHER) (OTHER) 0.772
MALT1_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.751
TP53_OE_C844G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.738
MAP3K14_OE_WT_A375 (OTHER) (OTHER) 0.736
LYN_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.735
HIST1H1B_OE_G266C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.72
B2M_OE_T2C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.699
TNF_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.689
CTNNB1_OE_S33A.S37A.T41A.T45A_A375 (OTHER) (OTHER) 0.686
S1PR2_OE_T215C_A375 (OTHER) (OTHER) 0.685
CIITA_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.677
TMSB4X_OE_WT_A375 (OTHER) (OTHER) 0.67
RKCE_OE_K437R.mismatch_A375 (BIOPOLYMER) (BIOPOLYMER) 0.67
MET_OE_WT_A375 (OTHER) (OTHER) 0.668
HIST1H3B_OE_G260A_A375 (PUJANA_ATM) (PUJANA_ATM) 0.667
PRKCA_OE_K368R_A375 (PUJANA_BRC) (PUJANA_BRC) 0.667
TGFBR1_OE_K232R_A375 (BIOPOLYMER) (BIOPOLYMER) 0.664
CD40_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.663
BRAF_OE_V600E_A375 (PUJANA_BRC) (PUJANA_BRC) 0.66
IKBKG_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.66
RAC1_OE_Q61L_A375 (PROTEIN_ME) (PROTEIN_ME) 0.659
KLHL6_OE_C1696T_A375 (OTHER) (OTHER) 0.659
TNFRSF17_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.657
SYK_OE_T1519C_A375 (PUJANA_BRC) (PUJANA_BRC) 0.65
LCK_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.644
FAM102A_OE_WT.1_A375 (OTHER) (OTHER) 0.644
H1FOO_OE_ins643A_A375 (OTHER) (OTHER) 0.64
RAC1_OE_T17N_A375 (PROTEIN_ME) (PROTEIN_ME) 0.638
CARD11_OE_G546C_A375 (OTHER) (OTHER) 0.638
RHOA_OE_Q63L_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.634
LOWEST IC ASSOCIATIONS
GABRA1_OE_C671G_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.459
EGFP_OE_CTRL_A375 (NUCLEUS) (NUCLEUS) −0.462
EGFR_OE_mut.4_A375 (NUCLEUS) (NUCLEUS) −0.48
P2RY8_OE_WT_A375 (OTHER) (OTHER) −0.497
PLCG1_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) −0.51
PIK3CA_OE_E545K_A375 (OTHER) (OTHER) −0.533
NRAS_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) −0.558
LACZ_OE_CTRL_A375 (OTHER) (OTHER) −0.571
HRAS_OE_WT.mismatch_A375 (MULTICELLU) (MULTICELLU) −0.59
TP53_OE_G733A_A375 (PUJANA_BRC) (PUJANA_BRC) −0.628
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

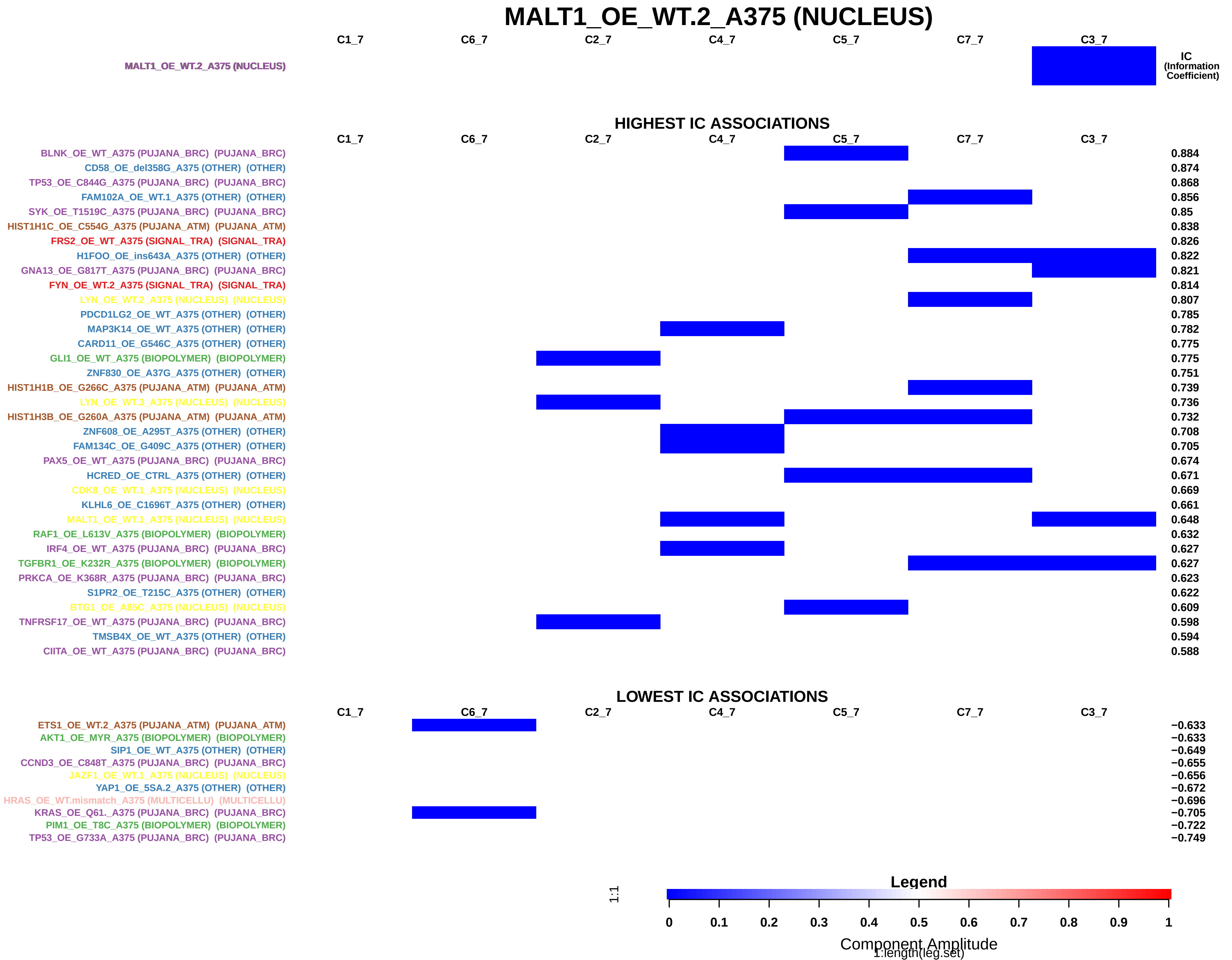

GLI1_OE_WT_A375 (BIOPOLYMER)
C1_7
C6_7
C3_7
C4_7
C7_7
C5_7
C2_7
GLI1_OE_WT_A375 (BIOPOLYMER)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
C1_7
C6_7
C3_7
C4_7
C7_7
C5_7
C2_7
LYN_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.906
MAP3K14_OE_WT_A375 (OTHER) (OTHER) 0.879
CARD11_OE_G546C_A375 (OTHER) (OTHER) 0.869
HCRED_OE_CTRL_A375 (OTHER) (OTHER) 0.846
FRS2_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.833
BCL6_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.828
TP53_OE_C844G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.817
SYK_OE_T1519C_A375 (PUJANA_BRC) (PUJANA_BRC) 0.803
HIST1H1B_OE_G266C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.801
FAM102A_OE_WT.1_A375 (OTHER) (OTHER) 0.794
BLNK_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.792
CD58_OE_del358G_A375 (OTHER) (OTHER) 0.789
GNA13_OE_G817T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.783
MALT1_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.775
PDCD1LG2_OE_WT_A375 (OTHER) (OTHER) 0.772
YY1_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.767
IKBKG_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.742
H1FOO_OE_ins643A_A375 (OTHER) (OTHER) 0.741
RHOA_OE_Q63L_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.74
AKT1_OE_E17K_A375 (BIOPOLYMER) (BIOPOLYMER) 0.737
IRF4_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.734
LYN_OE_WT.3_A375 (NUCLEUS) (NUCLEUS) 0.715
BCL10_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.675
ZNF608_OE_A295T_A375 (OTHER) (OTHER) 0.671
CD40_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.658
FAM134C_OE_G409C_A375 (OTHER) (OTHER) 0.655
HIST1H3B_OE_G260A_A375 (PUJANA_ATM) (PUJANA_ATM) 0.632
ZNF830_OE_A37G_A375 (OTHER) (OTHER) 0.631
BCL6_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.623
HIST1H1C_OE_C554G_A375 (PUJANA_ATM) (PUJANA_ATM) 0.618
TCF7L2_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.618
LCK_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.602
ERG_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.59
SRC_OE_Y527F_A375 (PROTEIN_ME) (PROTEIN_ME) 0.572
RAC1_OE_T17N_A375 (PROTEIN_ME) (PROTEIN_ME) 0.57
LOWEST IC ASSOCIATIONS
C1_7
C6_7
C3_7
C4_7
C7_7
C5_7
C2_7
YAP1_OE_5SA.1_A375 (OTHER) (OTHER) −0.606
ACTB_OE_G59A_A375 (PUJANA_BRC) (PUJANA_BRC) −0.607
GABRA1_OE_C385A_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.611
BTG1_OE_A177T_A375 (NUCLEUS) (NUCLEUS) −0.632
JAZF1_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) −0.633
P2RY8_OE_G751A_A375 (OTHER) (OTHER) −0.633
SIP1_OE_WT_A375 (OTHER) (OTHER) −0.644
HIST1H1E_OE_A295T_A375 (PUJANA_ATM) (PUJANA_ATM) −0.705
S1PR2_OE_WT_A375 (OTHER) (OTHER) −0.712
HRAS_OE_WT.mismatch_A375 (MULTICELLU) (MULTICELLU) −0.793
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

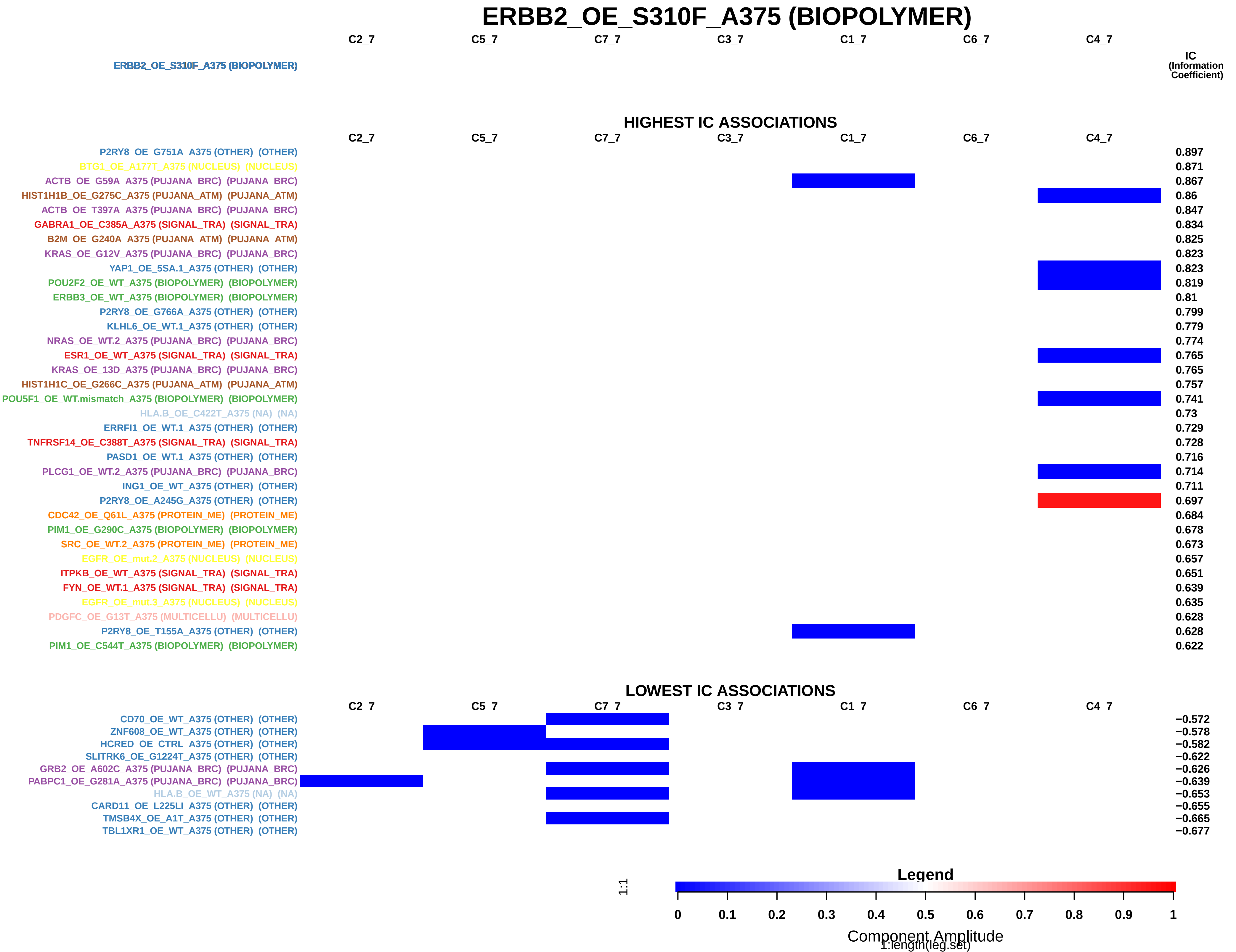
MALT1_OE_WT.1_A375 (NUCLEUS)

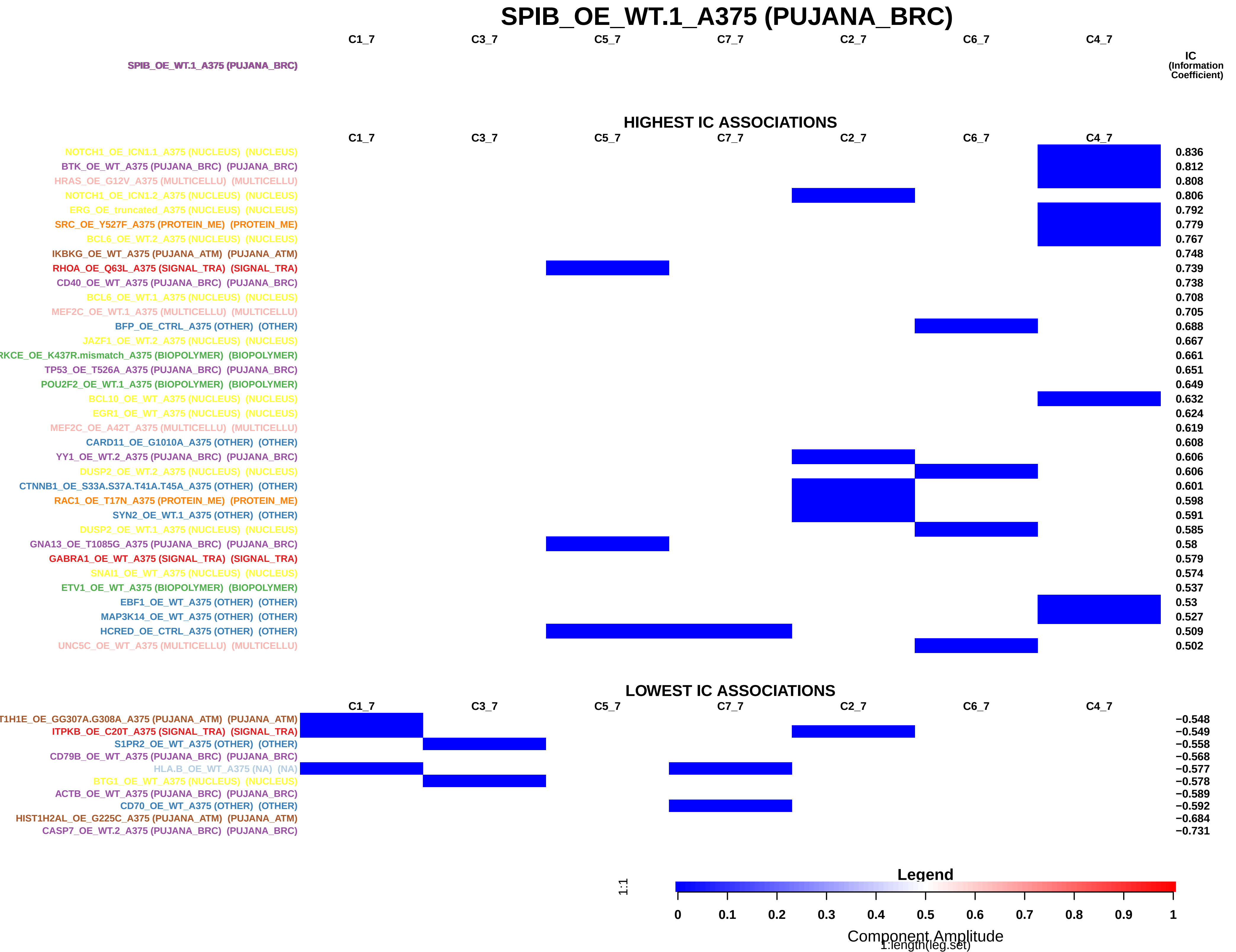


NOTCH1_OE_ICN1.2_A375 (NUCLEUS)

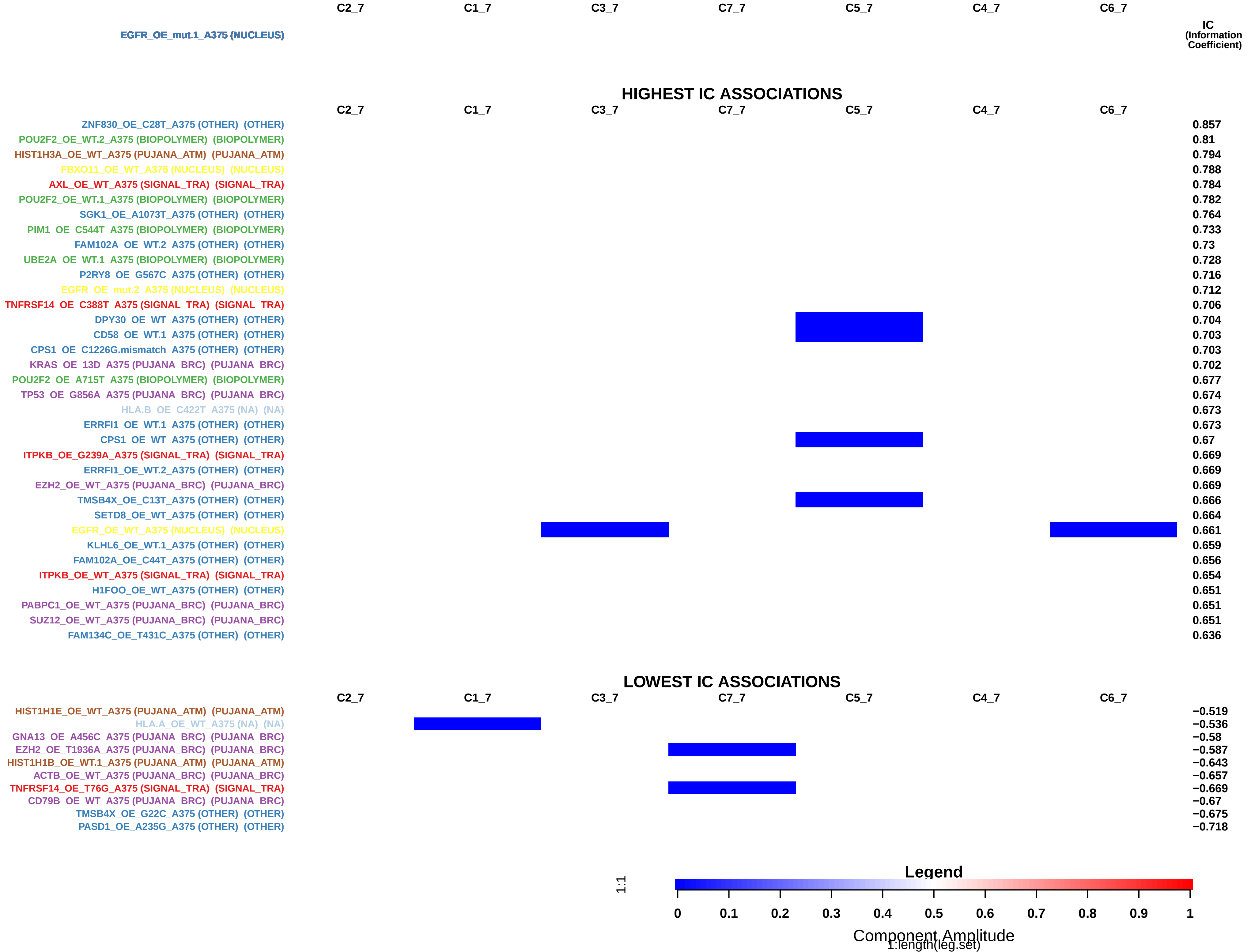



MALT1_OE_WT.2_A375 (NUCLEUS)
C1_7
C6_7
C2_7
C4_7
C5_7
C7_7
C3_7
MALT1_OE_WT.2_A375 (NUCLEUS)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
C1_7
C6_7
C2_7
C4_7
C5_7
C7_7
C3_7
BLNK_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.884
CD58_OE_del358G_A375 (OTHER) (OTHER) 0.874
TP53_OE_C844G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.868
FAM102A_OE_WT.1_A375 (OTHER) (OTHER) 0.856
SYK_OE_T1519C_A375 (PUJANA_BRC) (PUJANA_BRC) 0.85
HIST1H1C_OE_C554G_A375 (PUJANA_ATM) (PUJANA_ATM) 0.838
FRS2_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.826
H1FOO_OE_ins643A_A375 (OTHER) (OTHER) 0.822
GNA13_OE_G817T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.821
FYN_OE_WT.2_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.814
LYN_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.807
PDCD1LG2_OE_WT_A375 (OTHER) (OTHER) 0.785
MAP3K14_OE_WT_A375 (OTHER) (OTHER) 0.782
CARD11_OE_G546C_A375 (OTHER) (OTHER) 0.775
GLI1_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.775
ZNF830_OE_A37G_A375 (OTHER) (OTHER) 0.751
HIST1H1B_OE_G266C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.739
LYN_OE_WT.3_A375 (NUCLEUS) (NUCLEUS) 0.736
HIST1H3B_OE_G260A_A375 (PUJANA_ATM) (PUJANA_ATM) 0.732
ZNF608_OE_A295T_A375 (OTHER) (OTHER) 0.708
FAM134C_OE_G409C_A375 (OTHER) (OTHER) 0.705
PAX5_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.674
HCRED_OE_CTRL_A375 (OTHER) (OTHER) 0.671
CDK8_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.669
KLHL6_OE_C1696T_A375 (OTHER) (OTHER) 0.661
MALT1_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.648
RAF1_OE_L613V_A375 (BIOPOLYMER) (BIOPOLYMER) 0.632
IRF4_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.627
TGFBR1_OE_K232R_A375 (BIOPOLYMER) (BIOPOLYMER) 0.627
PRKCA_OE_K368R_A375 (PUJANA_BRC) (PUJANA_BRC) 0.623
S1PR2_OE_T215C_A375 (OTHER) (OTHER) 0.622
BTG1_OE_A85C_A375 (NUCLEUS) (NUCLEUS) 0.609
TNFRSF17_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.598
TMSB4X_OE_WT_A375 (OTHER) (OTHER) 0.594
CIITA_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.588
LOWEST IC ASSOCIATIONS
C1_7
C6_7
C2_7
C4_7
C5_7
C7_7
C3_7
ETS1_OE_WT.2_A375 (PUJANA_ATM) (PUJANA_ATM) −0.633
AKT1_OE_MYR_A375 (BIOPOLYMER) (BIOPOLYMER) −0.633
SIP1_OE_WT_A375 (OTHER) (OTHER) −0.649
CCND3_OE_C848T_A375 (PUJANA_BRC) (PUJANA_BRC) −0.655
JAZF1_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) −0.656
YAP1_OE_5SA.2_A375 (OTHER) (OTHER) −0.672
HRAS_OE_WT.mismatch_A375 (MULTICELLU) (MULTICELLU) −0.696
KRAS_OE_Q61._A375 (PUJANA_BRC) (PUJANA_BRC) −0.705
PIM1_OE_T8C_A375 (BIOPOLYMER) (BIOPOLYMER) −0.722
TP53_OE_G733A_A375 (PUJANA_BRC) (PUJANA_BRC) −0.749
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

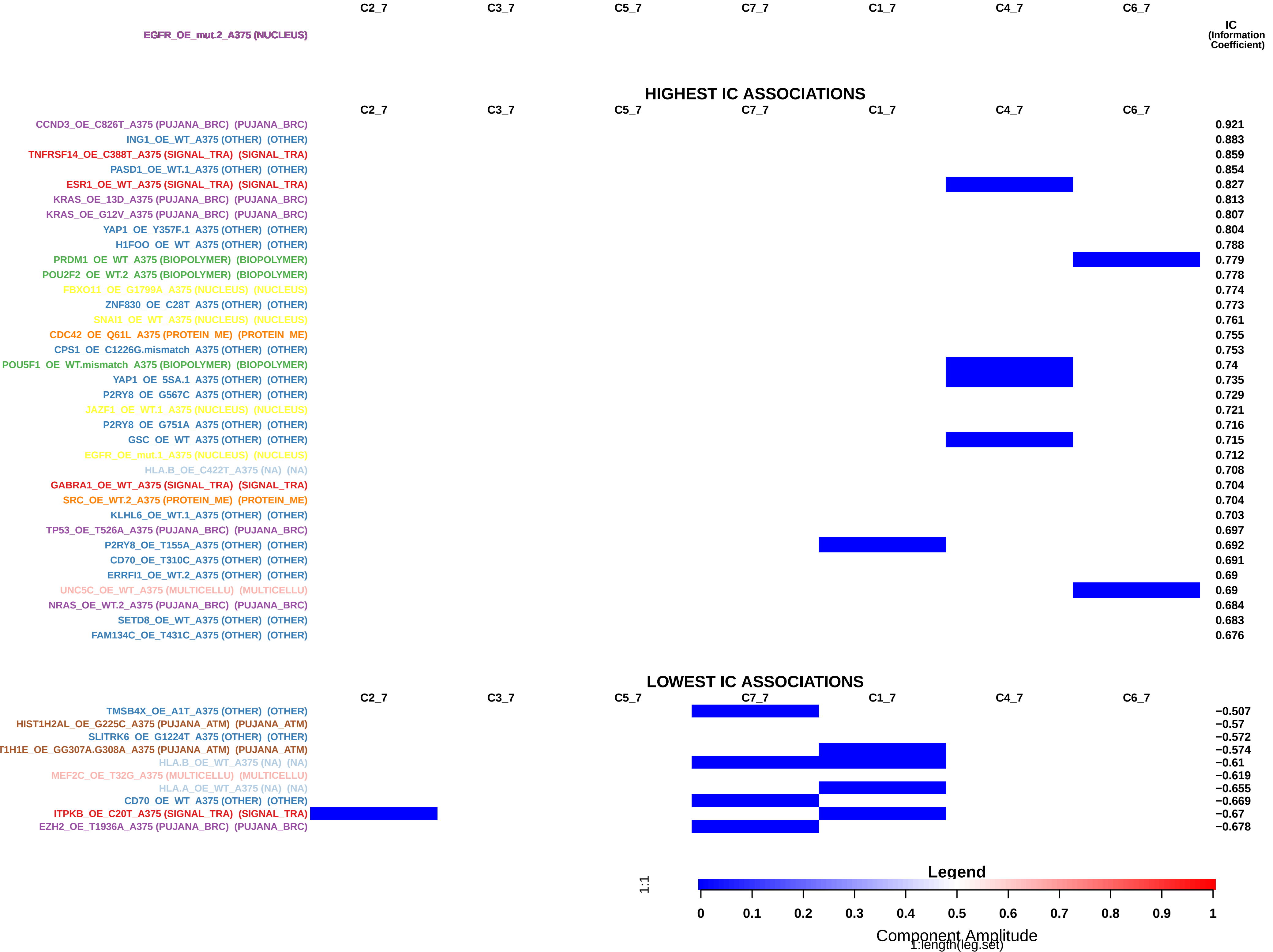

ERBB2_OE_S310F_A375 (BIOPOLYMER)
C2_7
C5_7
C7_7
C3_7
C1_7
C6_7
C4_7
ERBB2_OE_S310F_A375 (BIOPOLYMER)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
C2_7
C5_7
C7_7
C3_7
C1_7
C6_7
C4_7
P2RY8_OE_G751A_A375 (OTHER) (OTHER) 0.897
BTG1_OE_A177T_A375 (NUCLEUS) (NUCLEUS) 0.871
ACTB_OE_G59A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.867
HIST1H1B_OE_G275C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.86
ACTB_OE_T397A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.847
GABRA1_OE_C385A_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.834
B2M_OE_G240A_A375 (PUJANA_ATM) (PUJANA_ATM) 0.825
KRAS_OE_G12V_A375 (PUJANA_BRC) (PUJANA_BRC) 0.823
YAP1_OE_5SA.1_A375 (OTHER) (OTHER) 0.823
POU2F2_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.819
ERBB3_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.81
P2RY8_OE_G766A_A375 (OTHER) (OTHER) 0.799
KLHL6_OE_WT.1_A375 (OTHER) (OTHER) 0.779
NRAS_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.774
ESR1_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.765
KRAS_OE_13D_A375 (PUJANA_BRC) (PUJANA_BRC) 0.765
HIST1H1C_OE_G266C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.757
POU5F1_OE_WT.mismatch_A375 (BIOPOLYMER) (BIOPOLYMER) 0.741
HLA.B_OE_C422T_A375 (NA) (NA) 0.73
ERRFI1_OE_WT.1_A375 (OTHER) (OTHER) 0.729
TNFRSF14_OE_C388T_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.728
PASD1_OE_WT.1_A375 (OTHER) (OTHER) 0.716
PLCG1_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.714
ING1_OE_WT_A375 (OTHER) (OTHER) 0.711
P2RY8_OE_A245G_A375 (OTHER) (OTHER) 0.697
CDC42_OE_Q61L_A375 (PROTEIN_ME) (PROTEIN_ME) 0.684
PIM1_OE_G290C_A375 (BIOPOLYMER) (BIOPOLYMER) 0.678
SRC_OE_WT.2_A375 (PROTEIN_ME) (PROTEIN_ME) 0.673
EGFR_OE_mut.2_A375 (NUCLEUS) (NUCLEUS) 0.657
ITPKB_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.651
FYN_OE_WT.1_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.639
EGFR_OE_mut.3_A375 (NUCLEUS) (NUCLEUS) 0.635
PDGFC_OE_G13T_A375 (MULTICELLU) (MULTICELLU) 0.628
P2RY8_OE_T155A_A375 (OTHER) (OTHER) 0.628
PIM1_OE_C544T_A375 (BIOPOLYMER) (BIOPOLYMER) 0.622
LOWEST IC ASSOCIATIONS
C2_7
C5_7
C7_7
C3_7
C1_7
C6_7
C4_7
CD70_OE_WT_A375 (OTHER) (OTHER) −0.572
ZNF608_OE_WT_A375 (OTHER) (OTHER) −0.578
HCRED_OE_CTRL_A375 (OTHER) (OTHER) −0.582
SLITRK6_OE_G1224T_A375 (OTHER) (OTHER) −0.622
GRB2_OE_A602C_A375 (PUJANA_BRC) (PUJANA_BRC) −0.626
PABPC1_OE_G281A_A375 (PUJANA_BRC) (PUJANA_BRC) −0.639
HLA.B_OE_WT_A375 (NA) (NA) −0.653
CARD11_OE_L225LI_A375 (OTHER) (OTHER) −0.655
TMSB4X_OE_A1T_A375 (OTHER) (OTHER) −0.665
TBL1XR1_OE_WT_A375 (OTHER) (OTHER) −0.677
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)


SPIB_OE_WT.1_A375 (PUJANA_BRC)
C1_7 C3_7 C5_7 C7_7 C2_7 C6_7 C4_7
SPIB_OE_WT.1_A375 (PUJANA_BRC)
IC (Information Coefficient)
HIGHEST IC ASSOCIATIONS
C1_7 C3_7 C5_7 C7_7 C2_7 C6_7 C4_7
NOTCH1_OE_ICN1.1_A375 (NUCLEUS) (NUCLEUS) 0.836
BTK_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.812
HRAS_OE_G12V_A375 (MULTICELLU) (MULTICELLU) 0.808
NOTCH1_OE_ICN1.2_A375 (NUCLEUS) (NUCLEUS) 0.806
ERG_OE_truncated_A375 (NUCLEUS) (NUCLEUS) 0.792
SRC_OE_Y527F_A375 (PROTEIN_ME) (PROTEIN_ME) 0.779
BCL6_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.767
IKBKG_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.748
RHOA_OE_Q63L_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.739
CD40_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.738
BCL6_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.708
MEF2C_OE_WT.1_A375 (MULTICELLU) (MULTICELLU) 0.705
BFP_OE_CTRL_A375 (OTHER) (OTHER) 0.688
JAZF1_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.667
RKCE_OE_K437R.mismatch_A375 (BIOPOLYMER) (BIOPOLYMER) 0.661
TP53_OE_T526A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.651
POU2F2_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) 0.649
BCL10_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.632
EGR1_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.624
MEF2C_OE_A42T_A375 (MULTICELLU) (MULTICELLU) 0.619
CARD11_OE_G1010A_A375 (OTHER) (OTHER) 0.608
YY1_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.606
DUSP2_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.606
CTNNB1_OE_S33A.S37A.T41A.T45A_A375 (OTHER) (OTHER) 0.601
RAC1_OE_T17N_A375 (PROTEIN_ME) (PROTEIN_ME) 0.598
SYN2_OE_WT.1_A375 (OTHER) (OTHER) 0.591
DUSP2_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.585
GNA13_OE_T1085G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.58
GABRA1_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.579
SNAI1_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.574
ETV1_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.537
EBF1_OE_WT_A375 (OTHER) (OTHER) 0.53
MAP3K14_OE_WT_A375 (OTHER) (OTHER) 0.527
HCRED_OE_CTRL_A375 (OTHER) (OTHER) 0.509
UNC5C_OE_WT_A375 (MULTICELLU) (MULTICELLU) 0.502
LOWEST IC ASSOCIATIONS
C1_7 C3_7 C5_7 C7_7 C2_7 C6_7 C4_7
T1H1E_OE_GG307A.G308A_A375 (PUJANA_ATM) (PUJANA_ATM) −0.548
ITPKB_OE_C20T_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.549
S1PR2_OE_WT_A375 (OTHER) (OTHER) −0.558
CD79B_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) −0.568
HLA.B_OE_WT_A375 (NA) (NA) −0.577
BTG1_OE_WT_A375 (NUCLEUS) (NUCLEUS) −0.578
ACTB_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) −0.589
CD70_OE_WT_A375 (OTHER) (OTHER) −0.592
HIST1H2AL_OE_G225C_A375 (PUJANA_ATM) (PUJANA_ATM) −0.684
CASP7_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) −0.731
Legend
1:1
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Component Amplitude
1:length(leg.set)

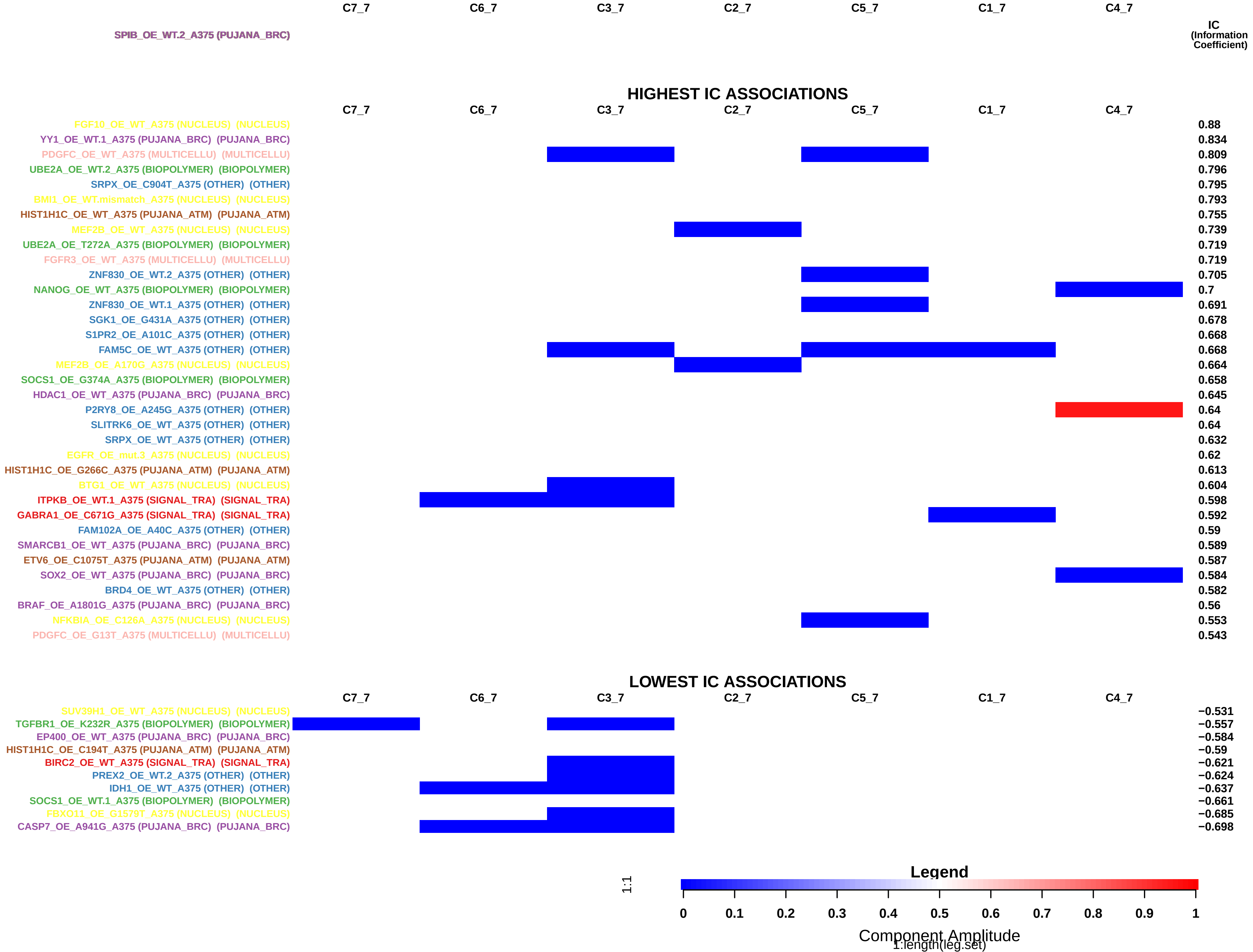
EGFR_OE_mut.1_A375 (NUCLEUS)



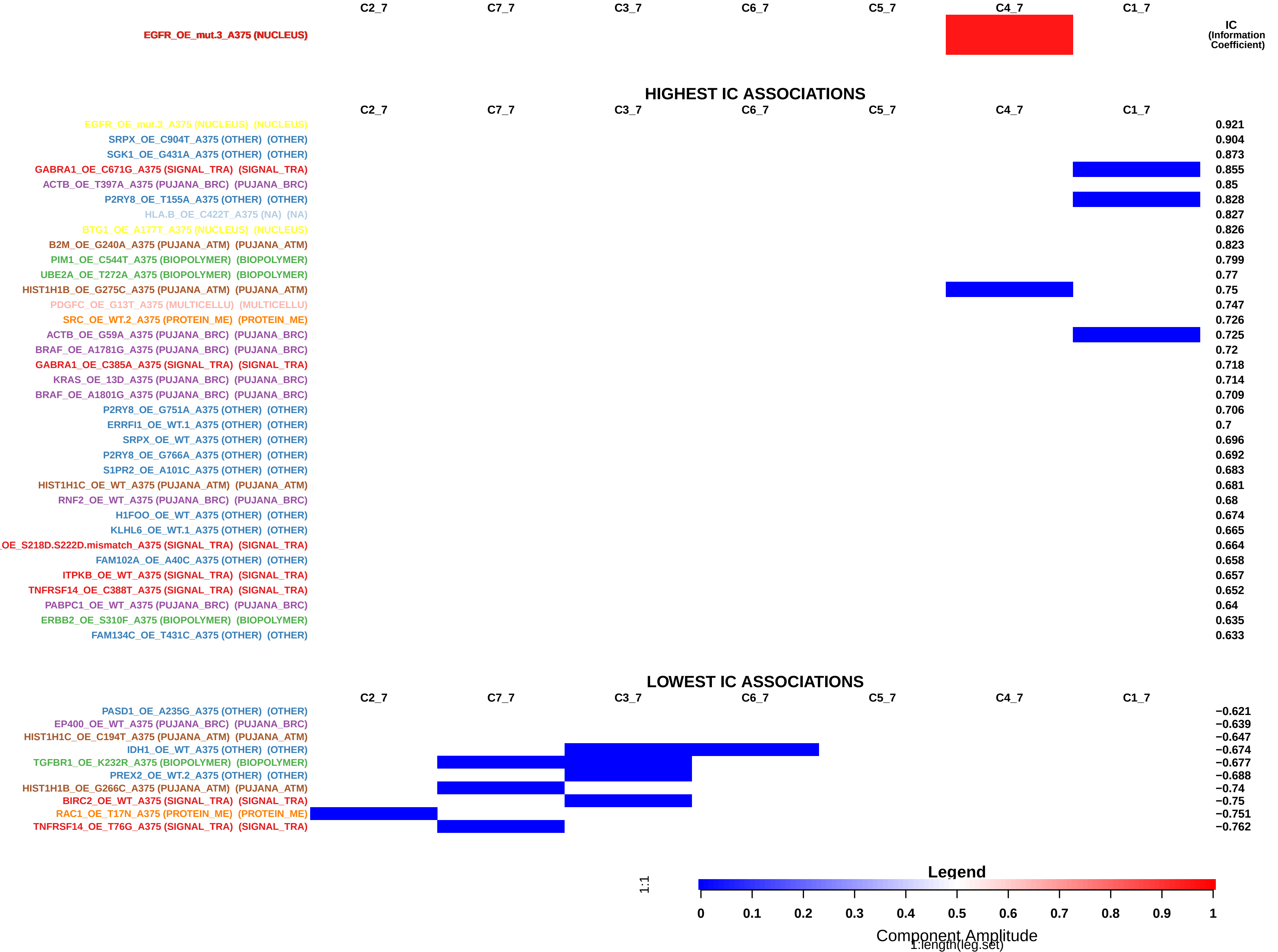
EGFR_OE_mut.2_A375 (NUCLEUS)



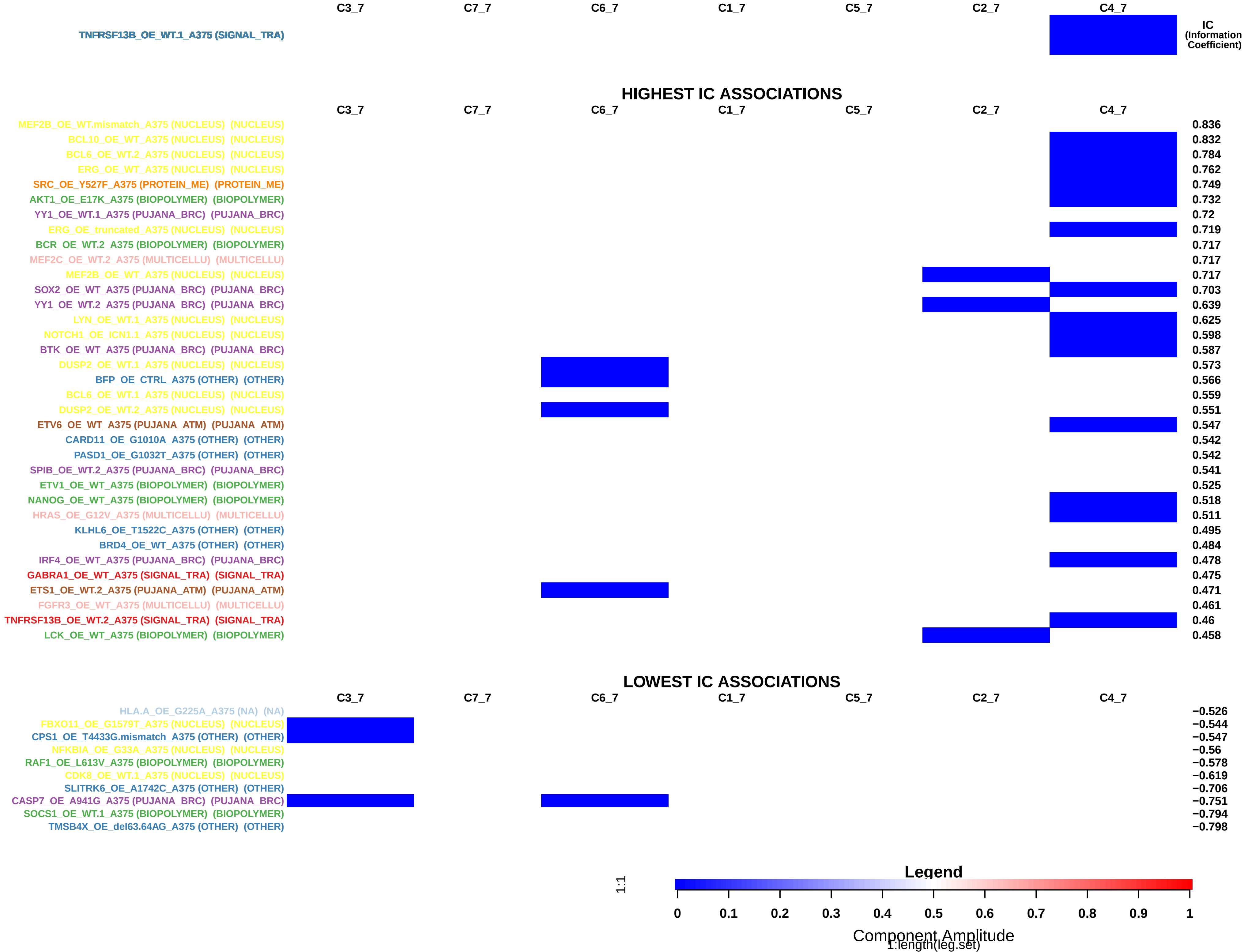
SPIB_OE_WT.2_A375 (PUJANA_BRC)



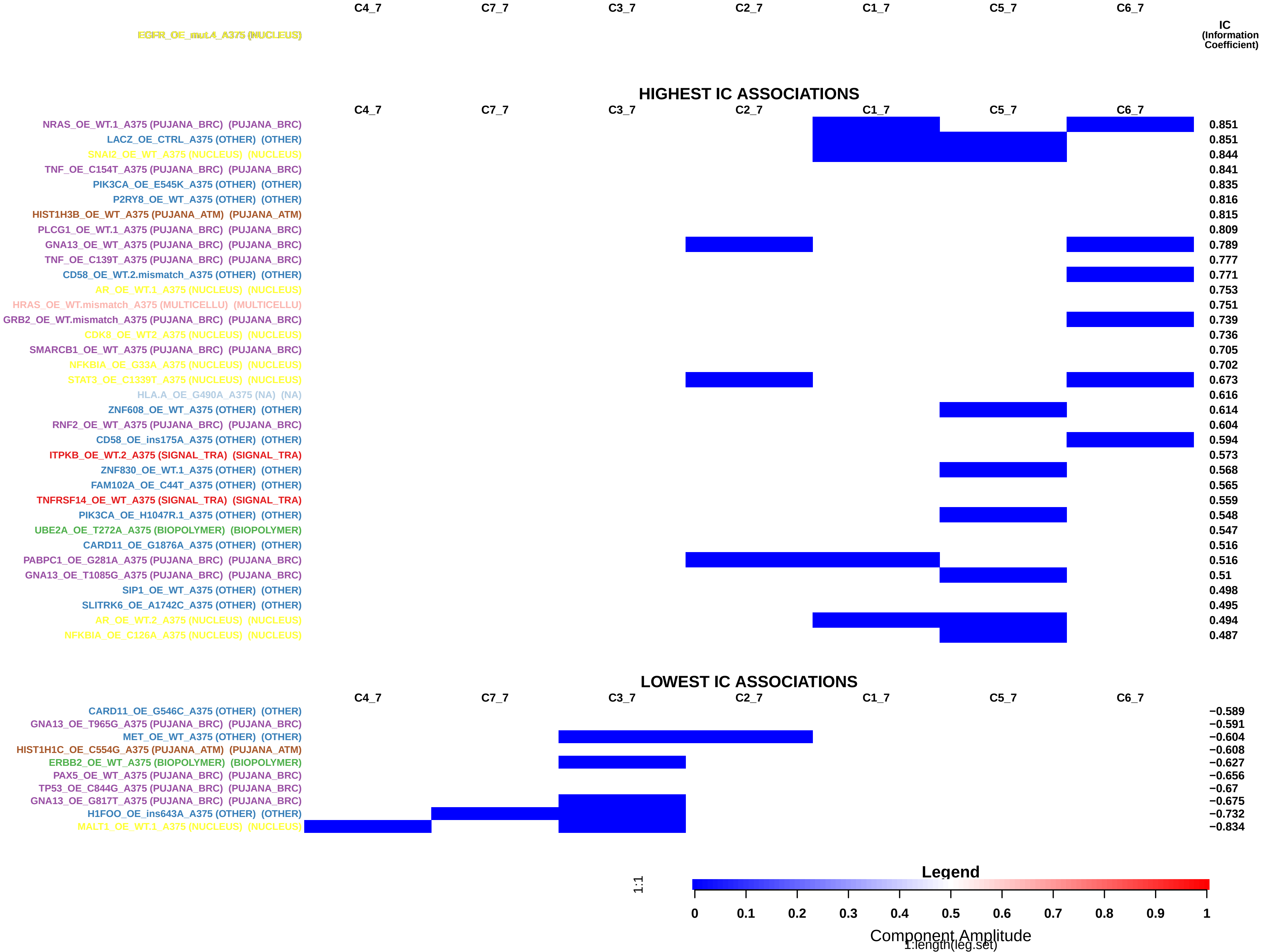
EGFR_OE_mut.3_A375 (NUCLEUS)



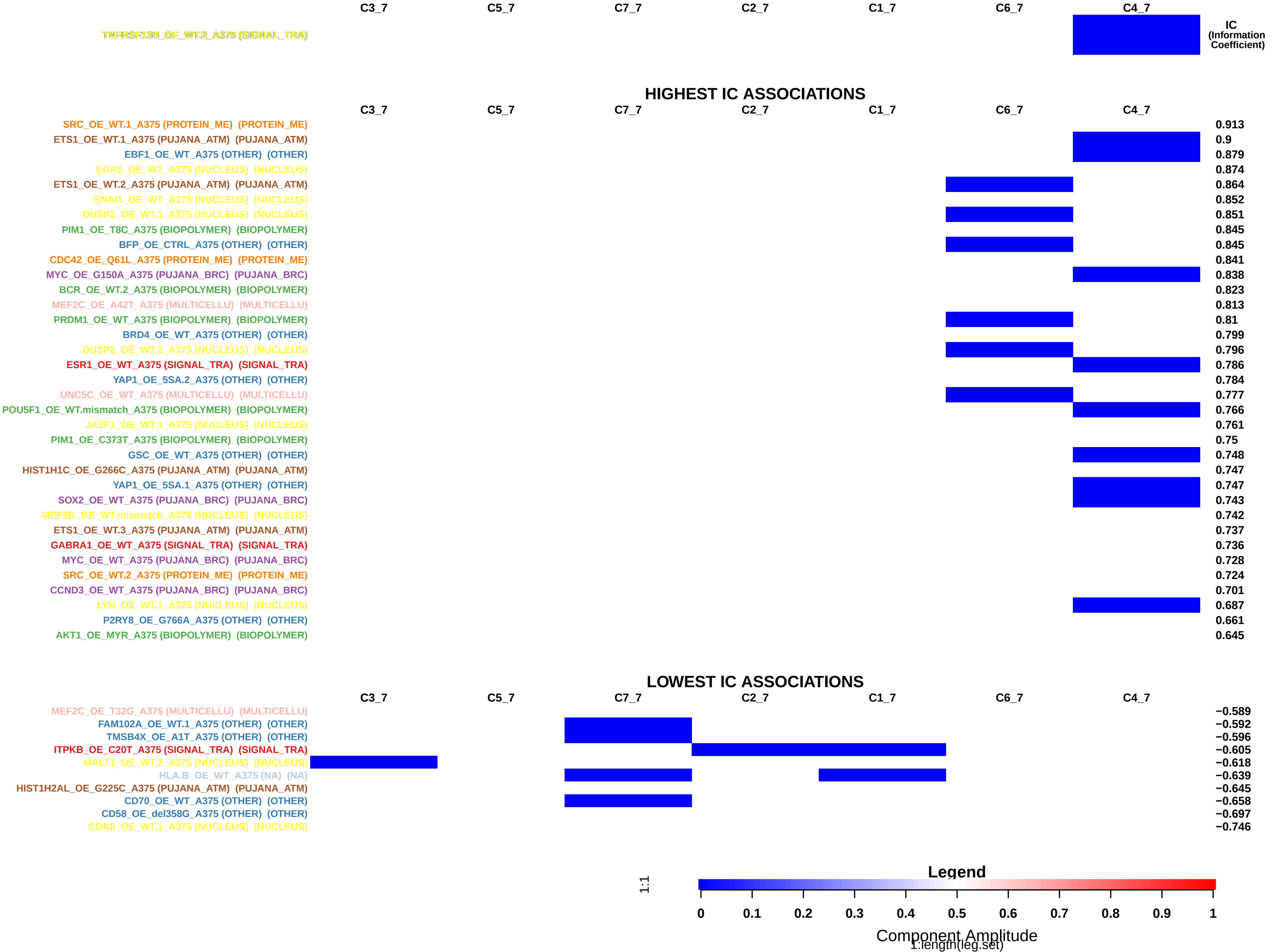
TNFRSF13B_OE_WT.1_A375 (SIGNAL_TRA)



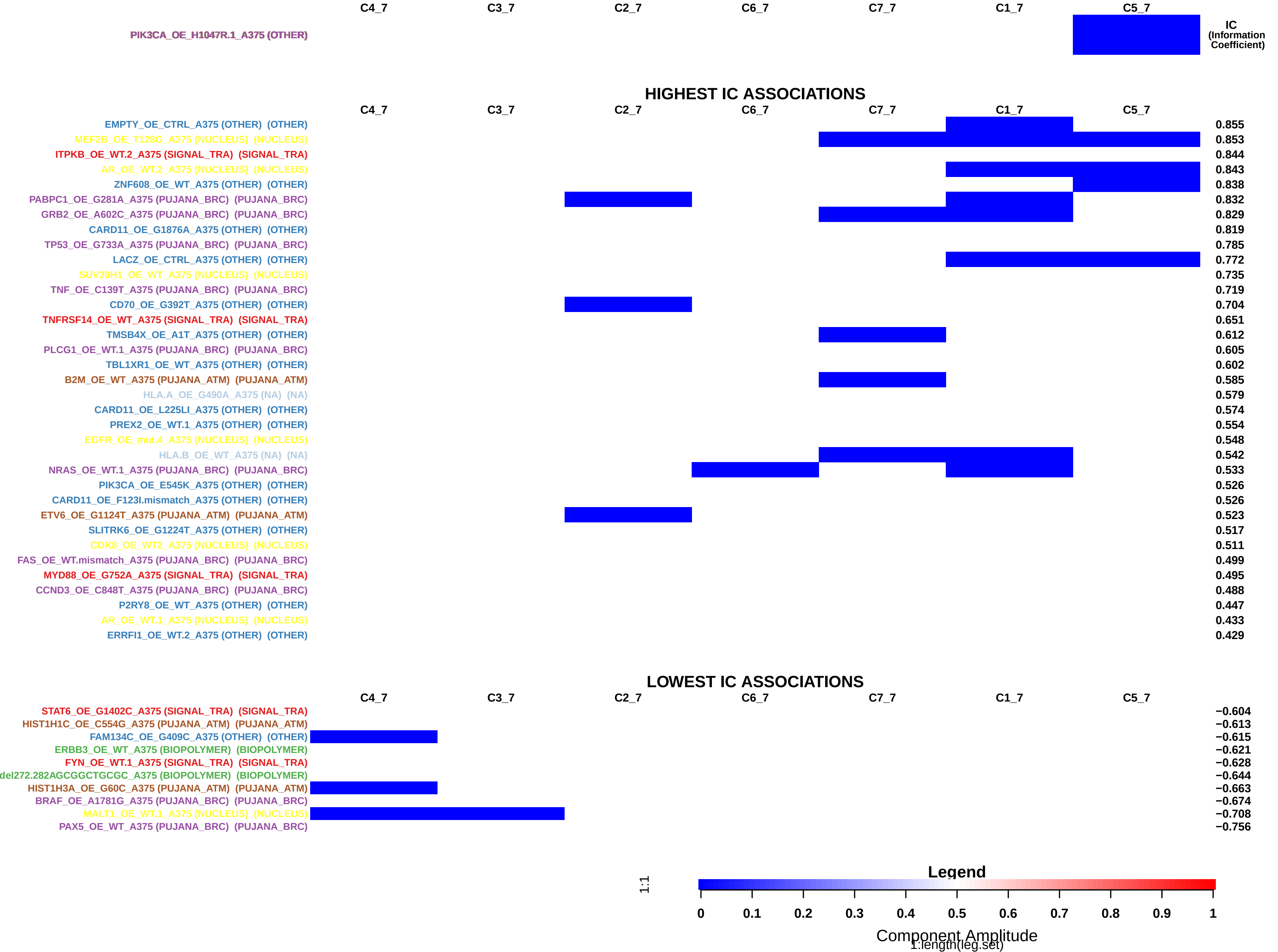
EGFR_OE_mut.4_A375 (NUCLEUS)



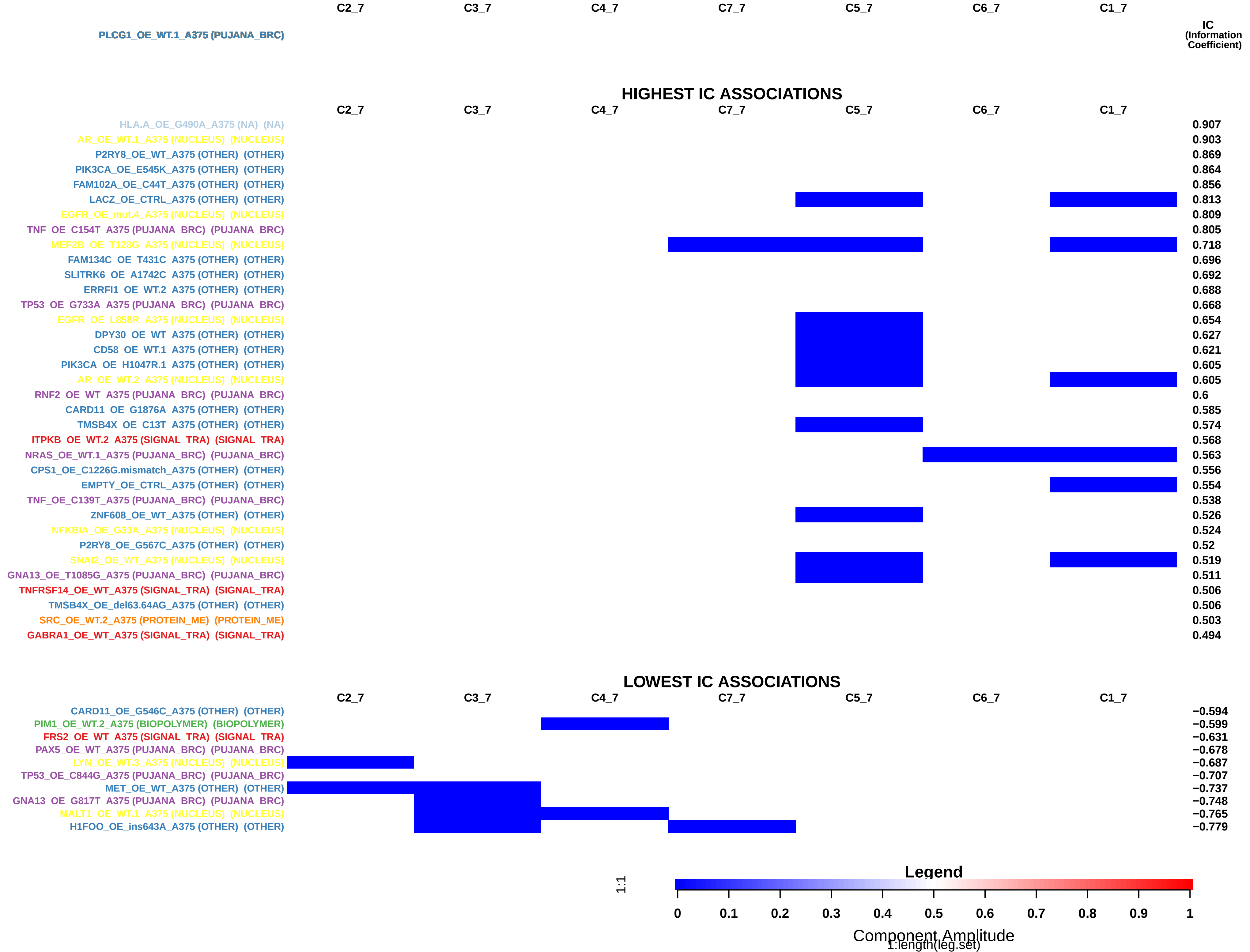
TNFRSF13B_OE_WT.2_A375 (SIGNAL_TRA)



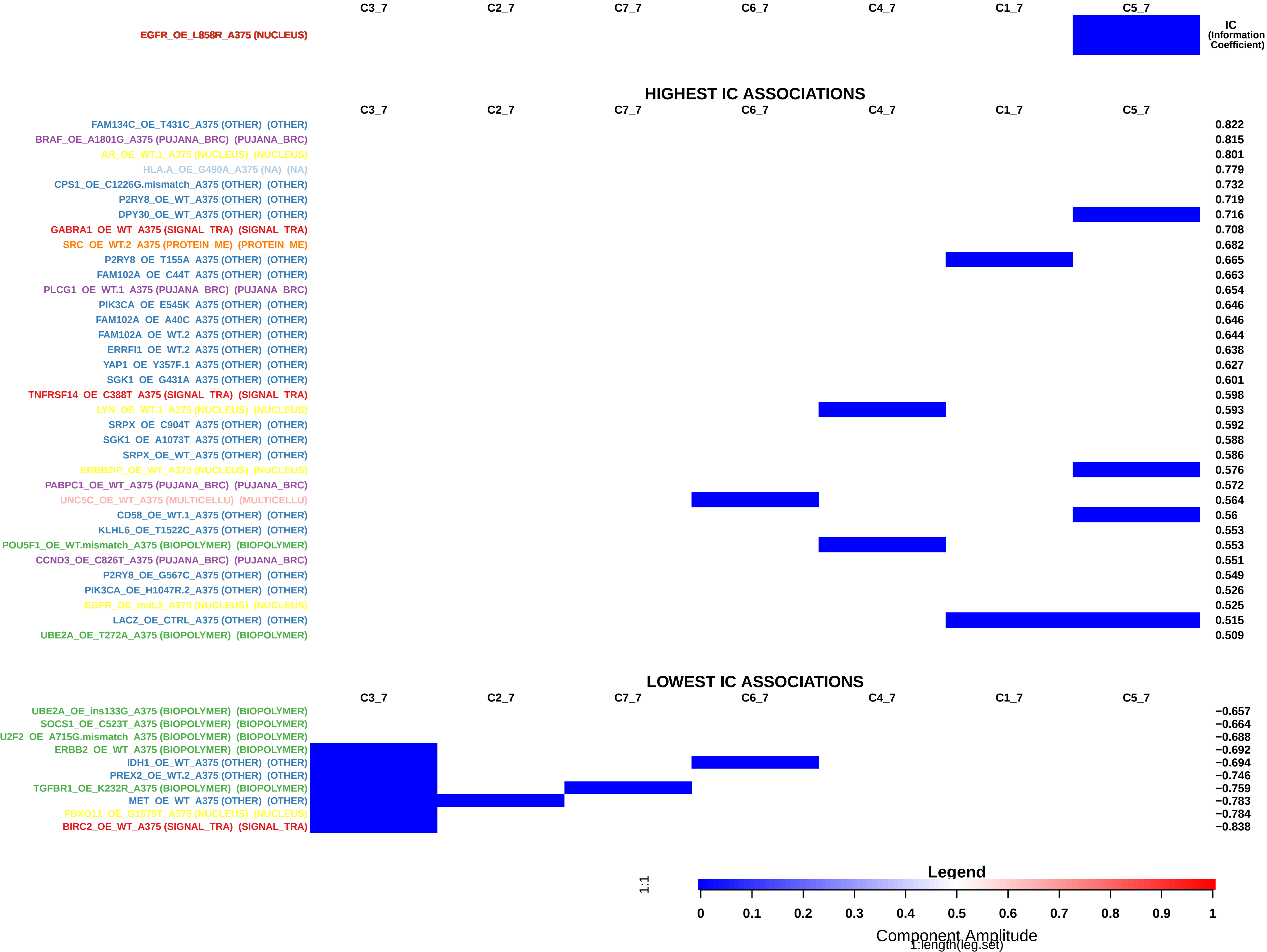
PIK3CA_OE_H1047R.1_A375 (OTHER)



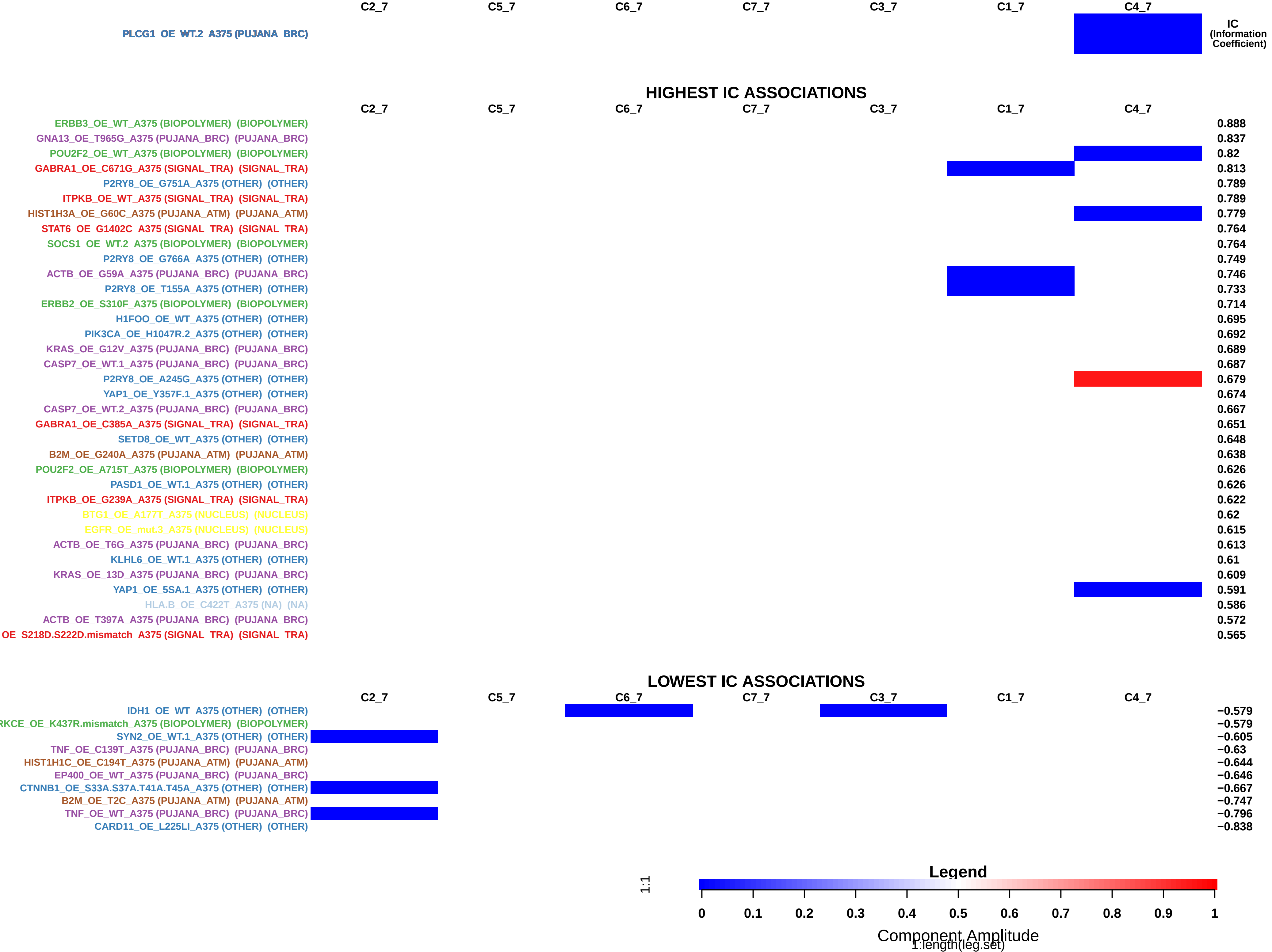
PLCG1_OE_WT.1_A375 (PUJANA_BRC)



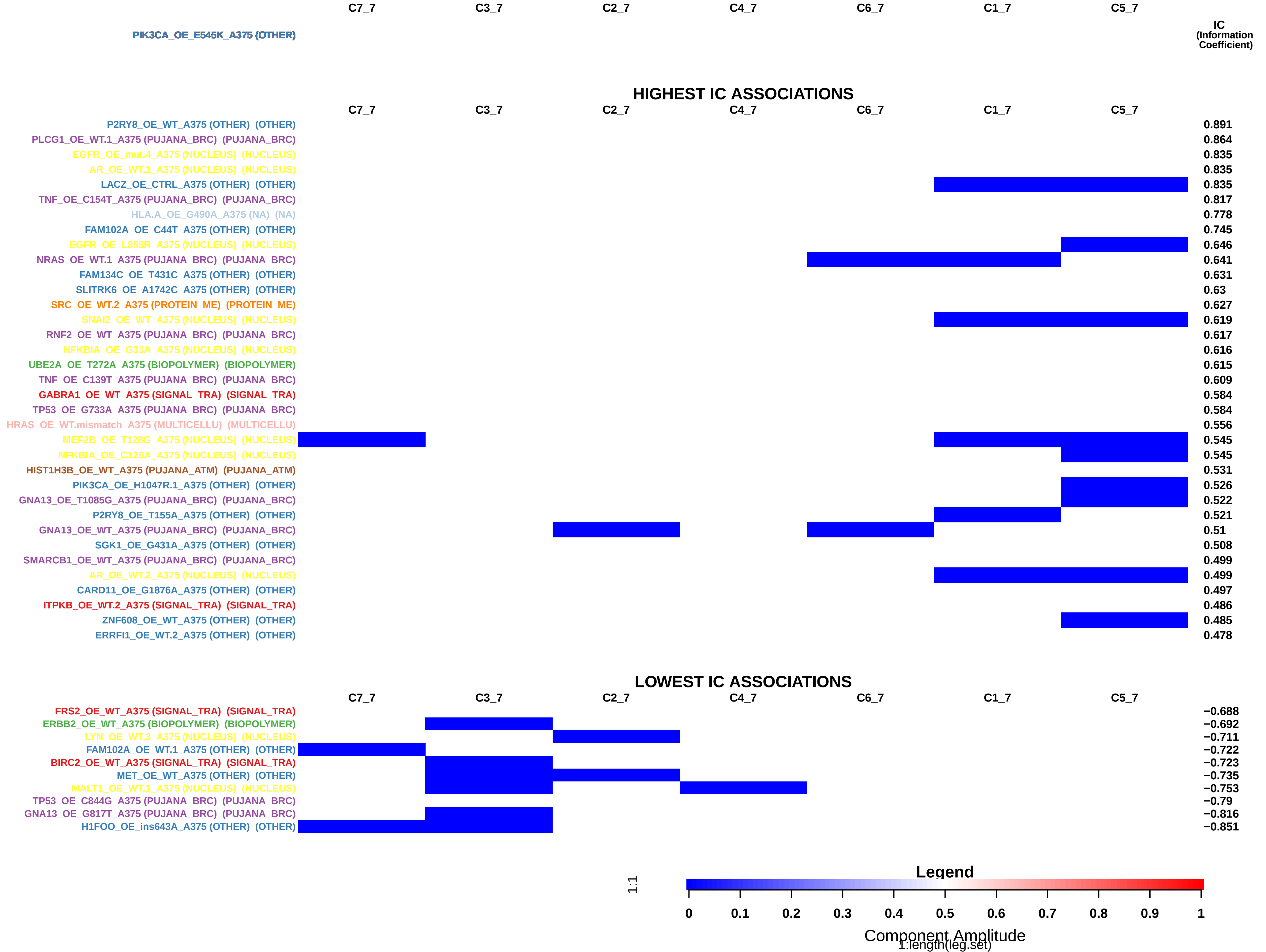
EGFR_OE_L858R_A375 (NUCLEUS)



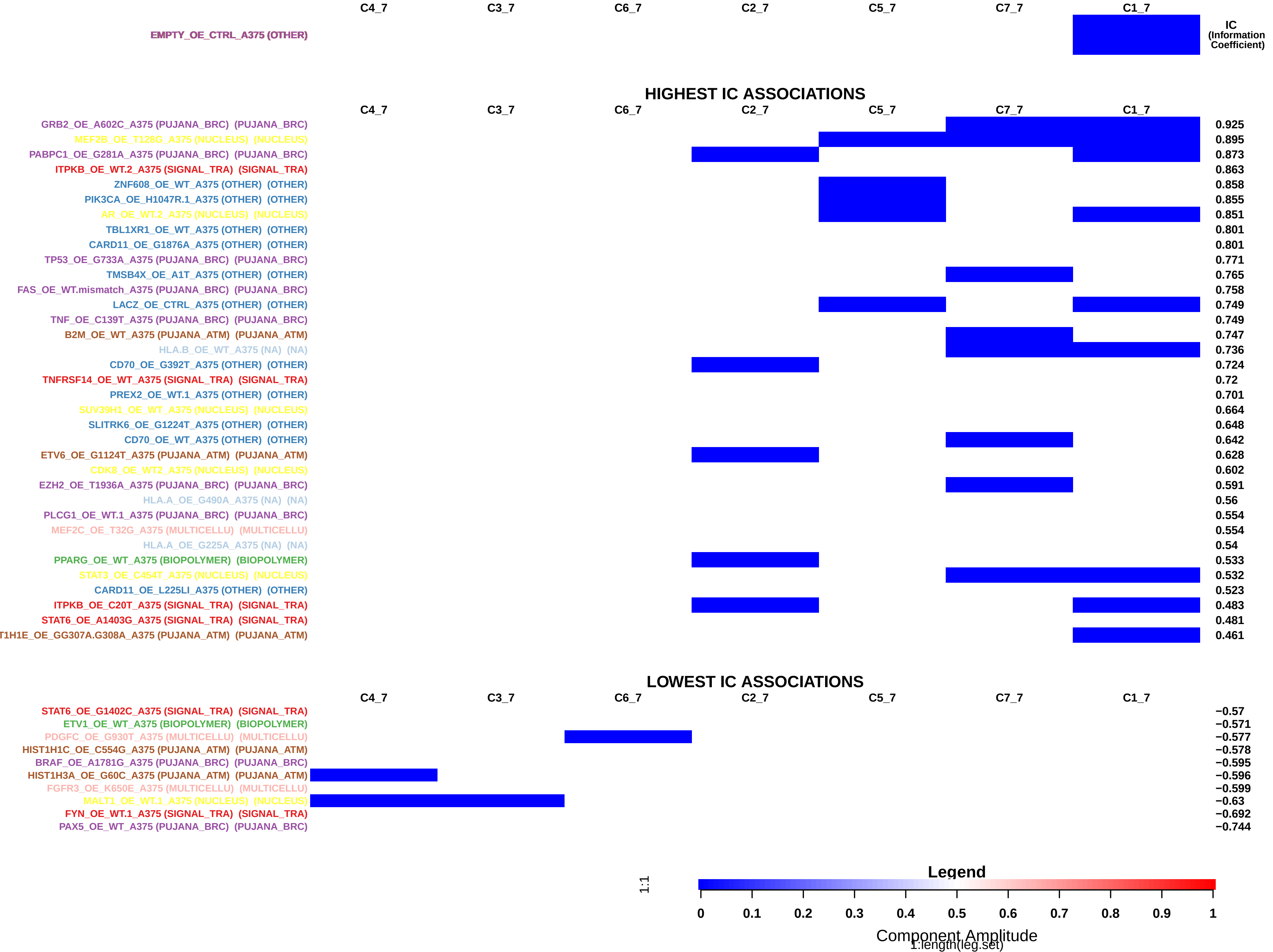
PLCG1_OE_WT.2_A375 (PUJANA_BRC)



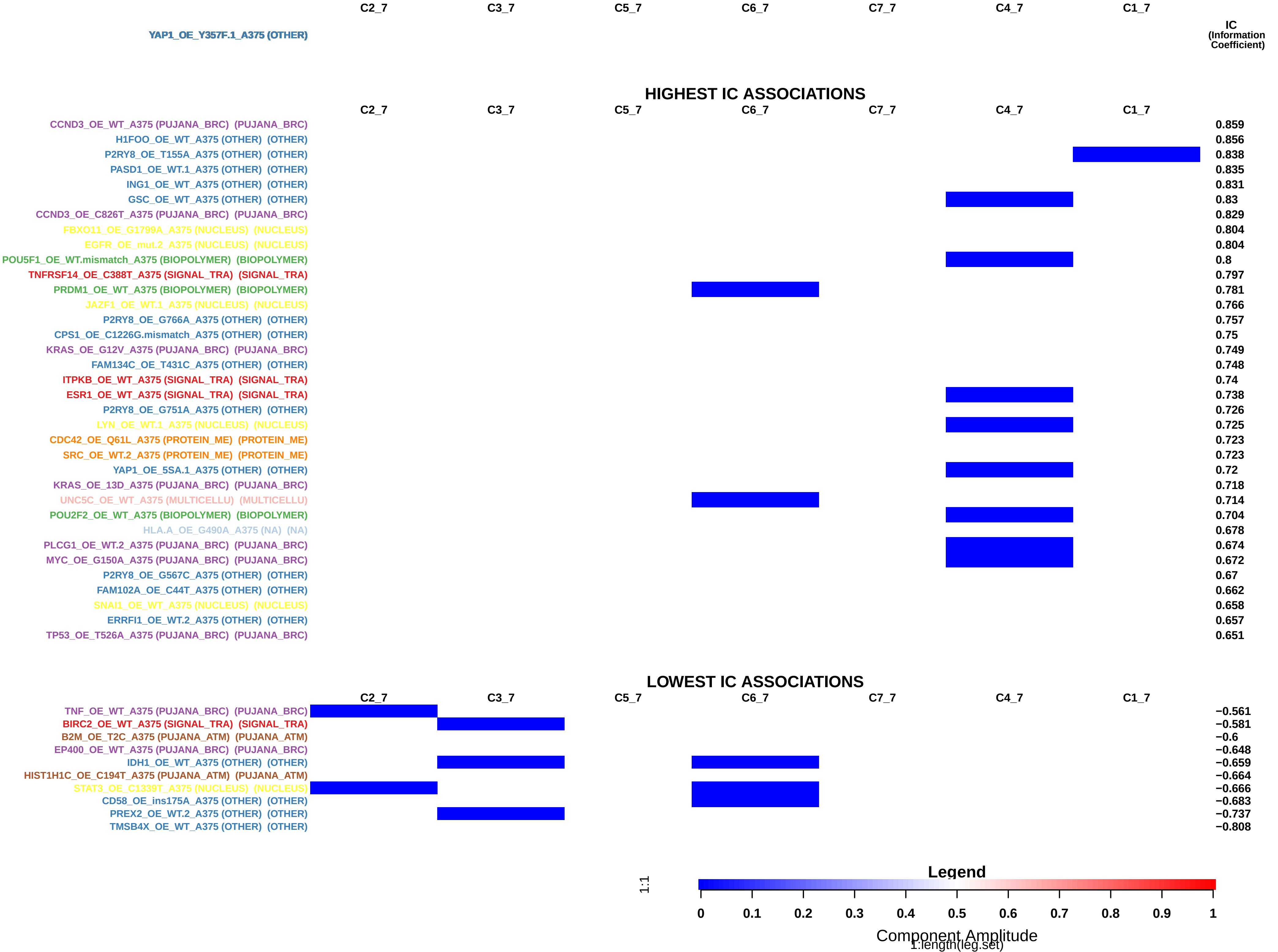
PIK3CA_OE_E545K_A375 (OTHER)

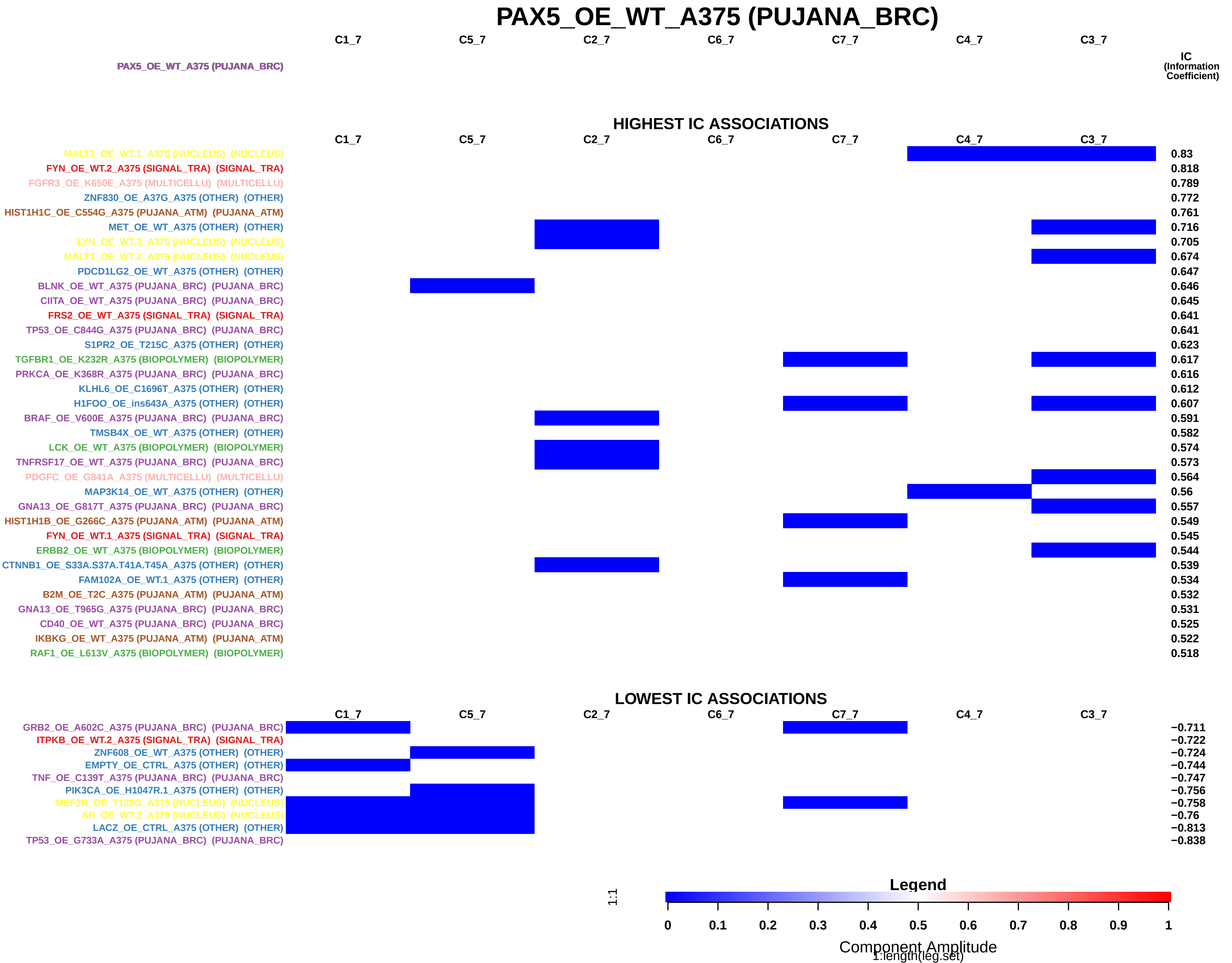


EMPTY_OE_CTRL_A375 (OTHER)

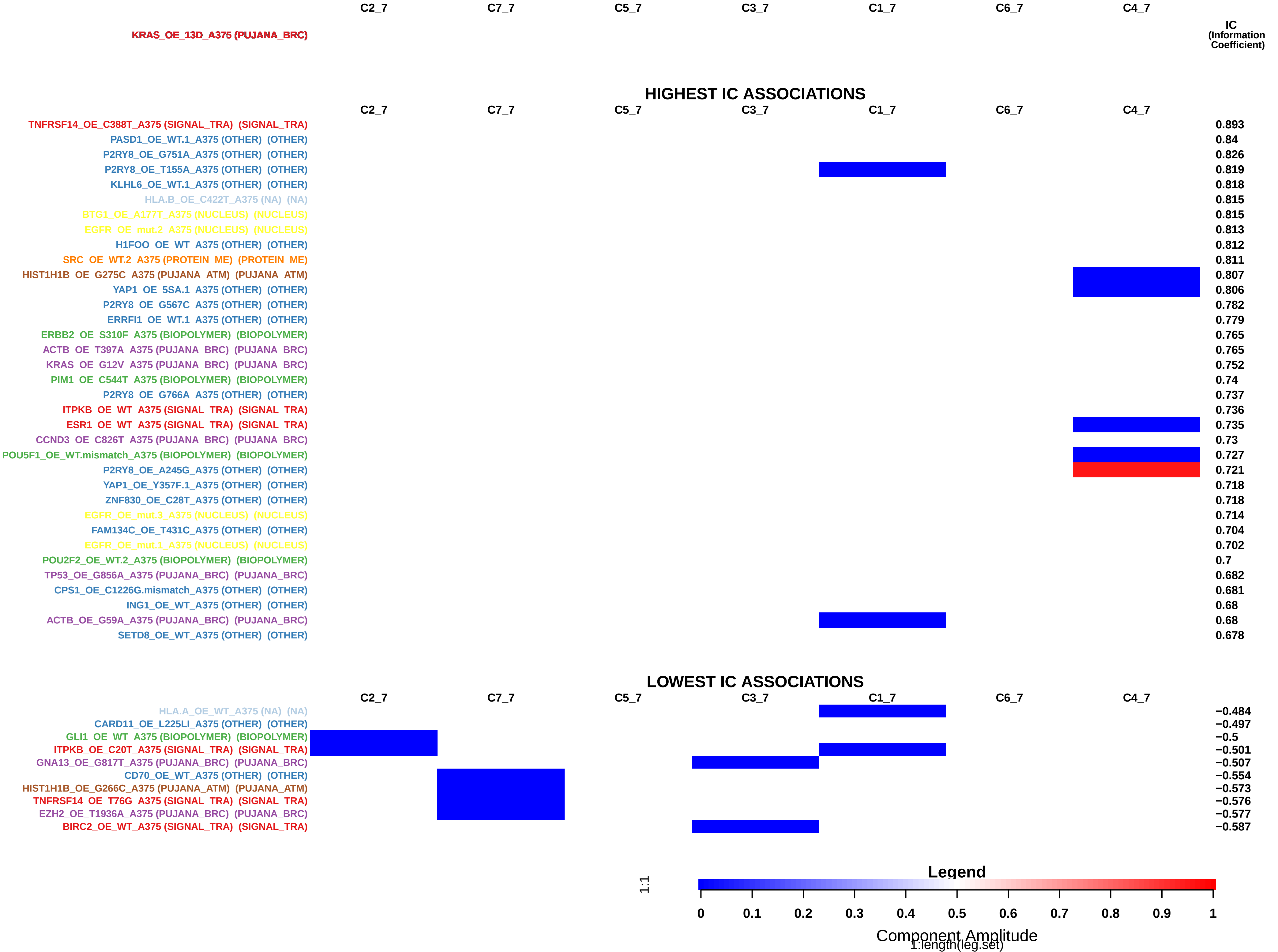


YAP1_OE_Y357F.1_A375 (OTHER)

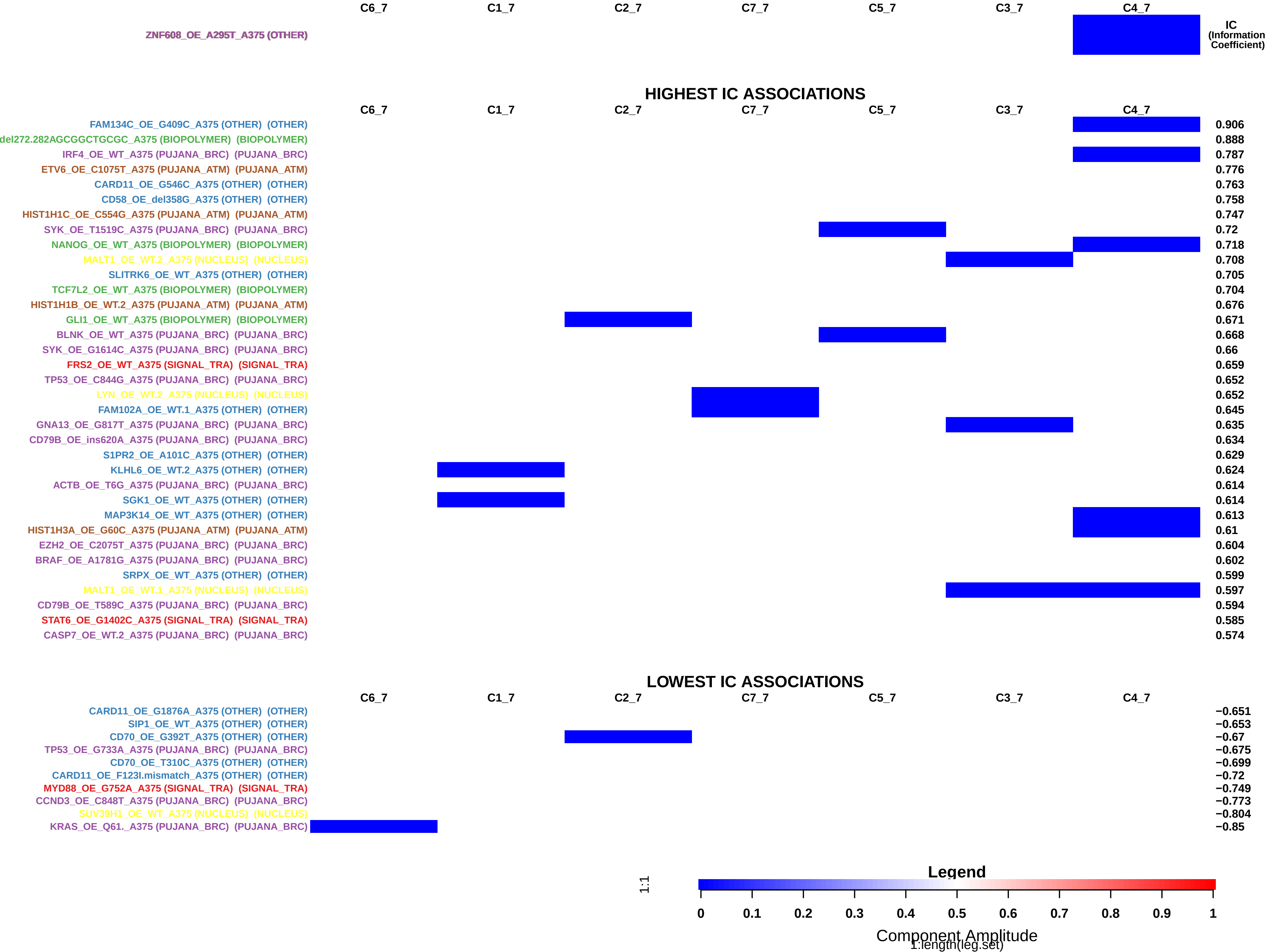



PAX5_OE_WT_A375 (PUJANA_BRC)
C1_7
C5_7
C2_7
C6_7
C7_7
C4_7
C3_7
PAX5_OE_WT_A375 (PUJANA_BRC)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
MALT1_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.83
FYN_OE_WT.2_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.818
FGFR3_OE_K650E_A375 (MULTICELLU) (MULTICELLU) 0.789
ZNF830_OE_A37G_A375 (OTHER) (OTHER) 0.772
HIST1H1C_OE_C554G_A375 (PUJANA_ATM) (PUJANA_ATM) 0.761
MET_OE_WT_A375 (OTHER) (OTHER) 0.716
LYN_OE_WT.3_A375 (NUCLEUS) (NUCLEUS) 0.705
MALT1_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.674
PDCD1LG2_OE_WT_A375 (OTHER) (OTHER) 0.647
BLNK_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.646
CIITA_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.645
FRS2_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.641
TP53_OE_C844G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.641
S1PR2_OE_T215C_A375 (OTHER) (OTHER) 0.623
TGFBR1_OE_K232R_A375 (BIOPOLYMER) (BIOPOLYMER) 0.617
PRKCA_OE_K368R_A375 (PUJANA_BRC) (PUJANA_BRC) 0.616
KLHL6_OE_C1696T_A375 (OTHER) (OTHER) 0.612
H1FOO_OE_ins643A_A375 (OTHER) (OTHER) 0.607
BRAF_OE_V600E_A375 (PUJANA_BRC) (PUJANA_BRC) 0.591
TMSB4X_OE_WT_A375 (OTHER) (OTHER) 0.582
LCK_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.574
TNFRSF17_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.573
PDGFC_OE_G841A_A375 (MULTICELLU) (MULTICELLU) 0.564
MAP3K14_OE_WT_A375 (OTHER) (OTHER) 0.56
GNA13_OE_G817T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.557
HIST1H1B_OE_G266C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.549
FYN_OE_WT.1_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.545
ERBB2_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.544
CTNNB1_OE_S33A.S37A.T41A.T45A_A375 (OTHER) (OTHER) 0.539
FAM102A_OE_WT.1_A375 (OTHER) (OTHER) 0.534
B2M_OE_T2C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.532
GNA13_OE_T965G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.531
CD40_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.525
IKBKG_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.522
RAF1_OE_L613V_A375 (BIOPOLYMER) (BIOPOLYMER) 0.518
LOWEST IC ASSOCIATIONS
GRB2_OE_A602C_A375 (PUJANA_BRC) (PUJANA_BRC) −0.711
ITPKB_OE_WT.2_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.722
ZNF608_OE_WT_A375 (OTHER) (OTHER) −0.724
EMPTY_OE_CTRL_A375 (OTHER) (OTHER) −0.744
TNF_OE_C139T_A375 (PUJANA_BRC) (PUJANA_BRC) −0.747
PIK3CA_OE_H1047R.1_A375 (OTHER) (OTHER) −0.756
MEF2B_OE_T128G_A375 (NUCLEUS) (NUCLEUS) −0.758
AR_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) −0.76
LACZ_OE_CTRL_A375 (OTHER) (OTHER) −0.813
TP53_OE_G733A_A375 (PUJANA_BRC) (PUJANA_BRC) −0.838
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

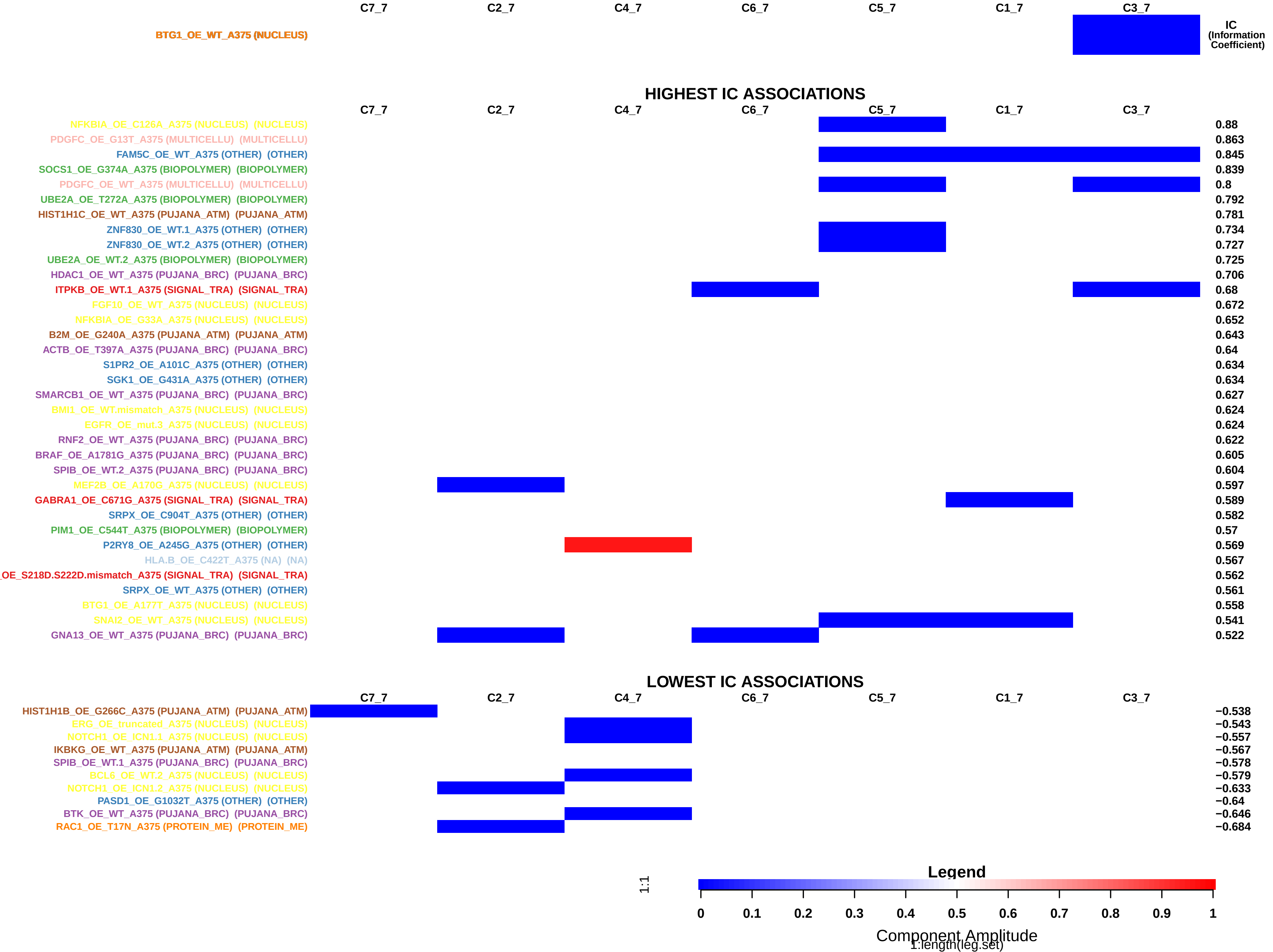
KRAS_OE_13D_A375 (PUJANA_BRC)

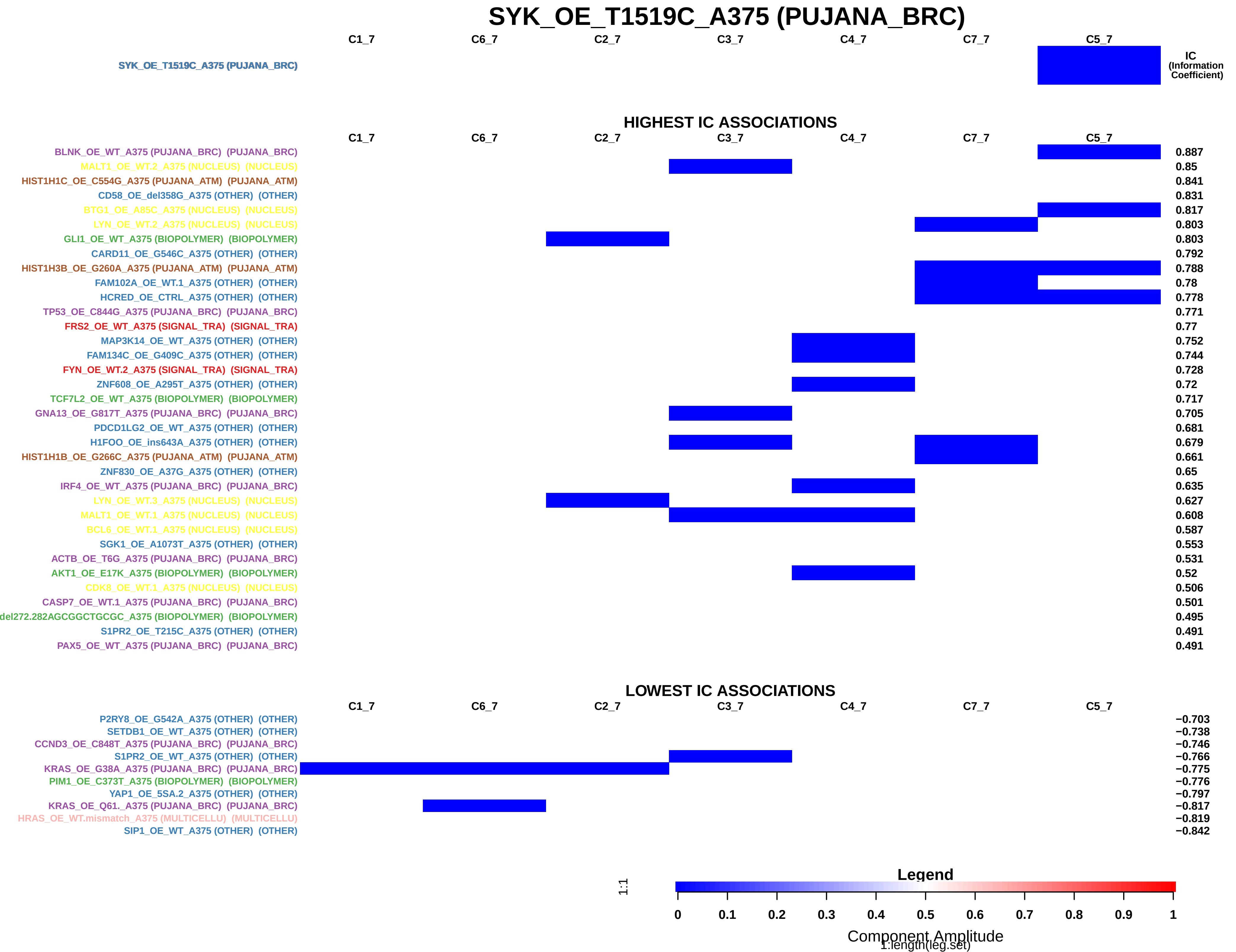


ZNF608_OE_A295T_A375 (OTHER)

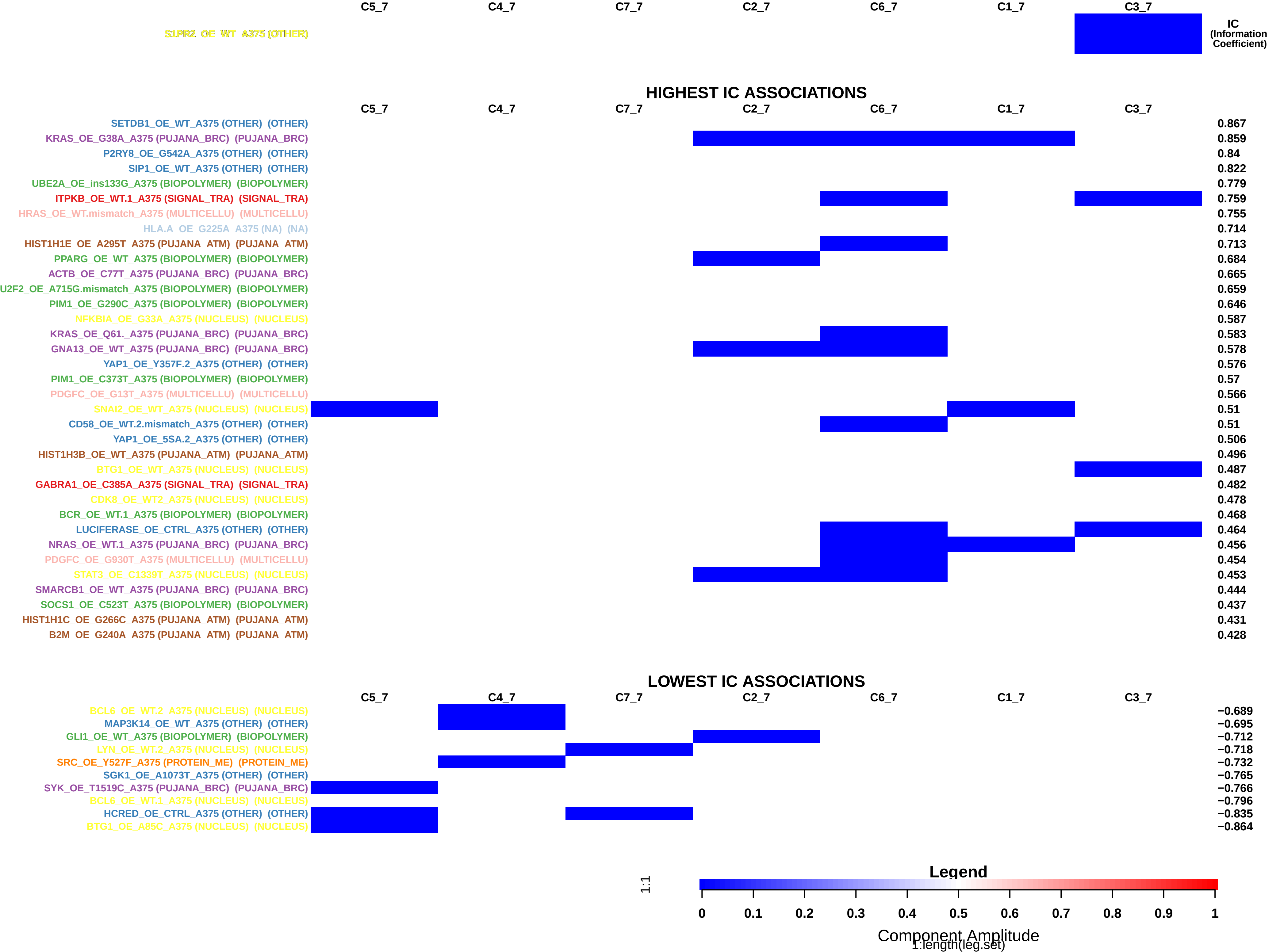


BTG1_OE_WT_A375 (NUCLEUS)

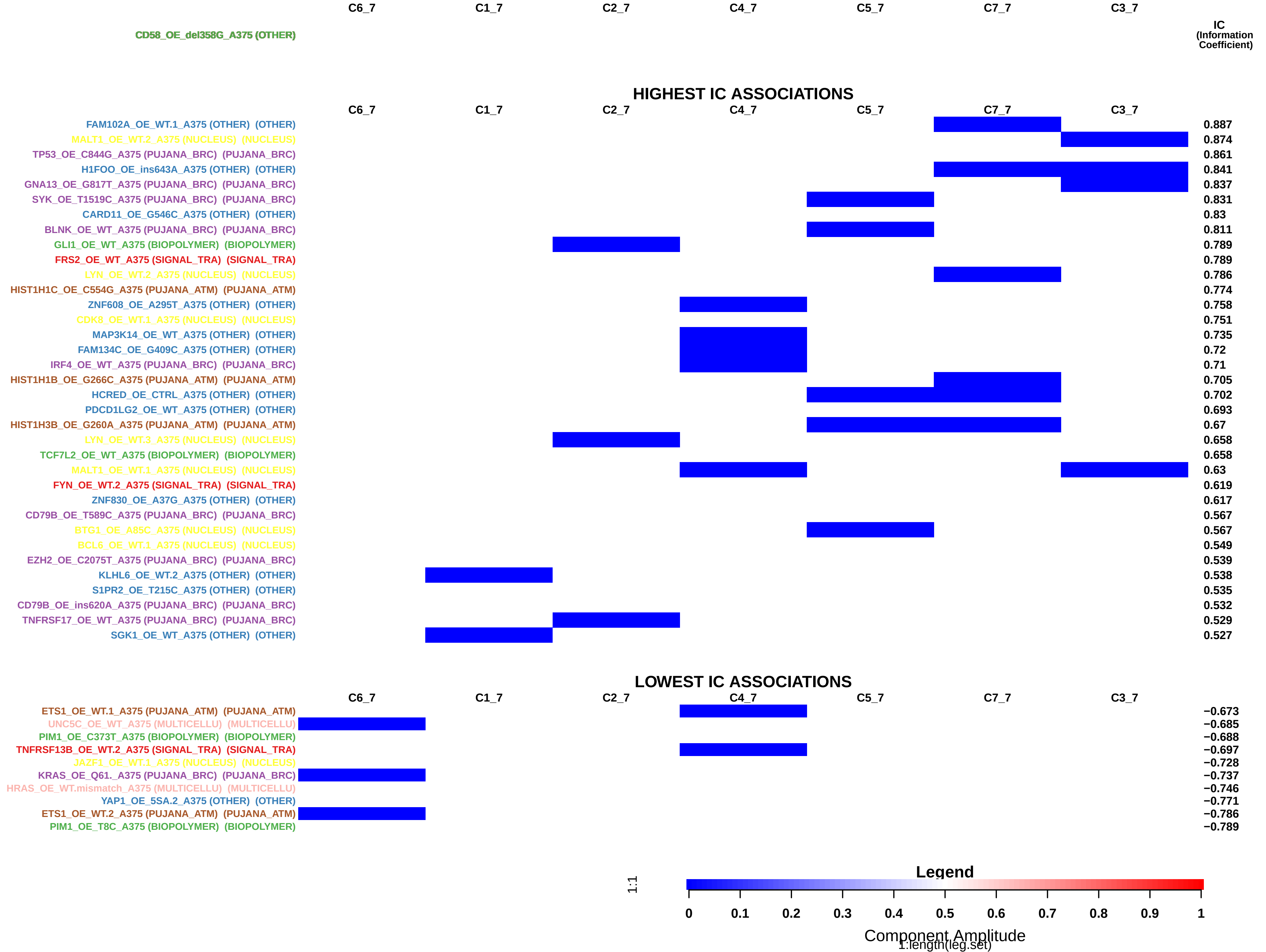


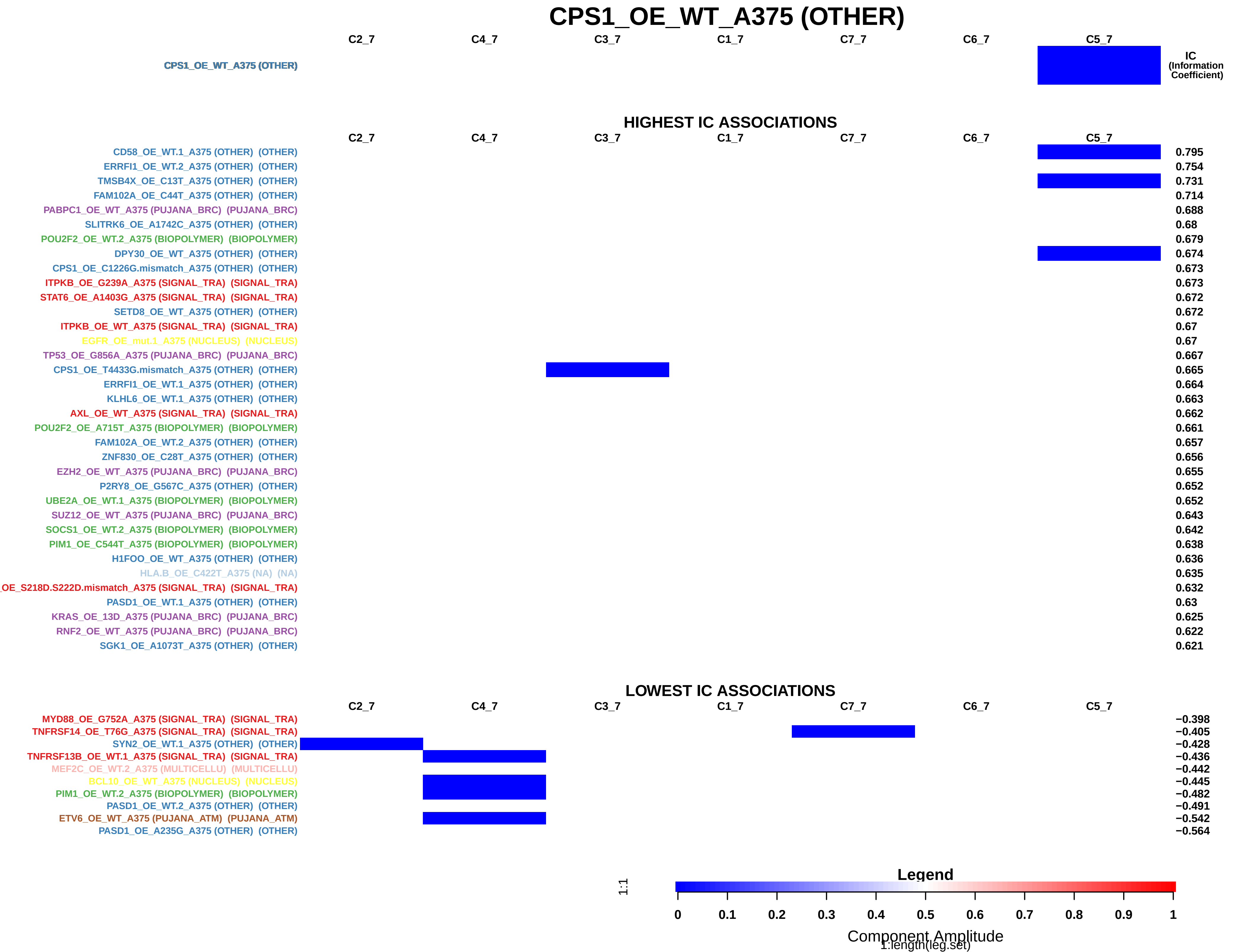

SYK_OE_T1519C_A375 (PUJANA_BRC)
C1_7
C6_7
C2_7
C3_7
C4_7
C7_7
C5_7
SYK_OE_T1519C_A375 (PUJANA_BRC)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
BLNK_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.887
MALT1_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.85
HIST1H1C_OE_C554G_A375 (PUJANA_ATM) (PUJANA_ATM) 0.841
CD58_OE_del358G_A375 (OTHER) (OTHER) 0.831
BTG1_OE_A85C_A375 (NUCLEUS) (NUCLEUS) 0.817
LYN_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.803
GLI1_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.803
CARD11_OE_G546C_A375 (OTHER) (OTHER) 0.792
HIST1H3B_OE_G260A_A375 (PUJANA_ATM) (PUJANA_ATM) 0.788
FAM102A_OE_WT.1_A375 (OTHER) (OTHER) 0.78
HCRED_OE_CTRL_A375 (OTHER) (OTHER) 0.778
TP53_OE_C844G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.771
FRS2_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.77
MAP3K14_OE_WT_A375 (OTHER) (OTHER) 0.752
FAM134C_OE_G409C_A375 (OTHER) (OTHER) 0.744
FYN_OE_WT.2_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.728
ZNF608_OE_A295T_A375 (OTHER) (OTHER) 0.72
TCF7L2_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.717
GNA13_OE_G817T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.705
PDCD1LG2_OE_WT_A375 (OTHER) (OTHER) 0.681
H1FOO_OE_ins643A_A375 (OTHER) (OTHER) 0.679
HIST1H1B_OE_G266C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.661
ZNF830_OE_A37G_A375 (OTHER) (OTHER) 0.65
IRF4_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.635
LYN_OE_WT.3_A375 (NUCLEUS) (NUCLEUS) 0.627
MALT1_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.608
BCL6_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.587
SGK1_OE_A1073T_A375 (OTHER) (OTHER) 0.553
ACTB_OE_T6G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.531
AKT1_OE_E17K_A375 (BIOPOLYMER) (BIOPOLYMER) 0.52
CDK8_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.506
CASP7_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) 0.501
del272.282AGCGGCTGCGC_A375 (BIOPOLYMER) (BIOPOLYMER) 0.495
S1PR2_OE_T215C_A375 (OTHER) (OTHER) 0.491
PAX5_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.491
LOWEST IC ASSOCIATIONS
P2RY8_OE_G542A_A375 (OTHER) (OTHER) −0.703
SETDB1_OE_WT_A375 (OTHER) (OTHER) −0.738
CCND3_OE_C848T_A375 (PUJANA_BRC) (PUJANA_BRC) −0.746
S1PR2_OE_WT_A375 (OTHER) (OTHER) −0.766
KRAS_OE_G38A_A375 (PUJANA_BRC) (PUJANA_BRC) −0.775
PIM1_OE_C373T_A375 (BIOPOLYMER) (BIOPOLYMER) −0.776
YAP1_OE_5SA.2_A375 (OTHER) (OTHER) −0.797
KRAS_OE_Q61._A375 (PUJANA_BRC) (PUJANA_BRC) −0.817
HRAS_OE_WT.mismatch_A375 (MULTICELLU) (MULTICELLU) −0.819
SIP1_OE_WT_A375 (OTHER) (OTHER) −0.842
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

S1PR2_OE_WT_A375 (OTHER)

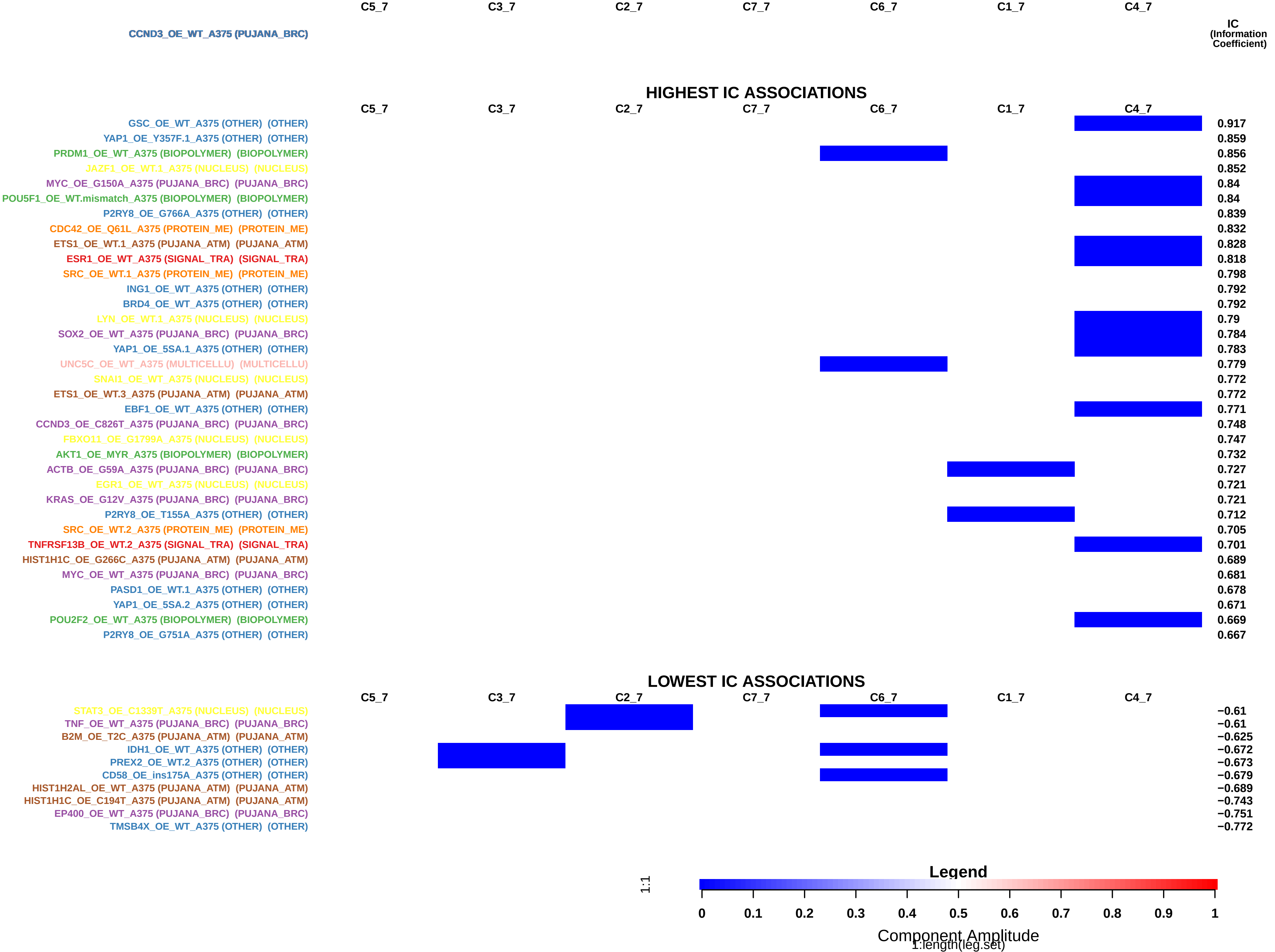


CD58_OE_del358G_A375 (OTHER)

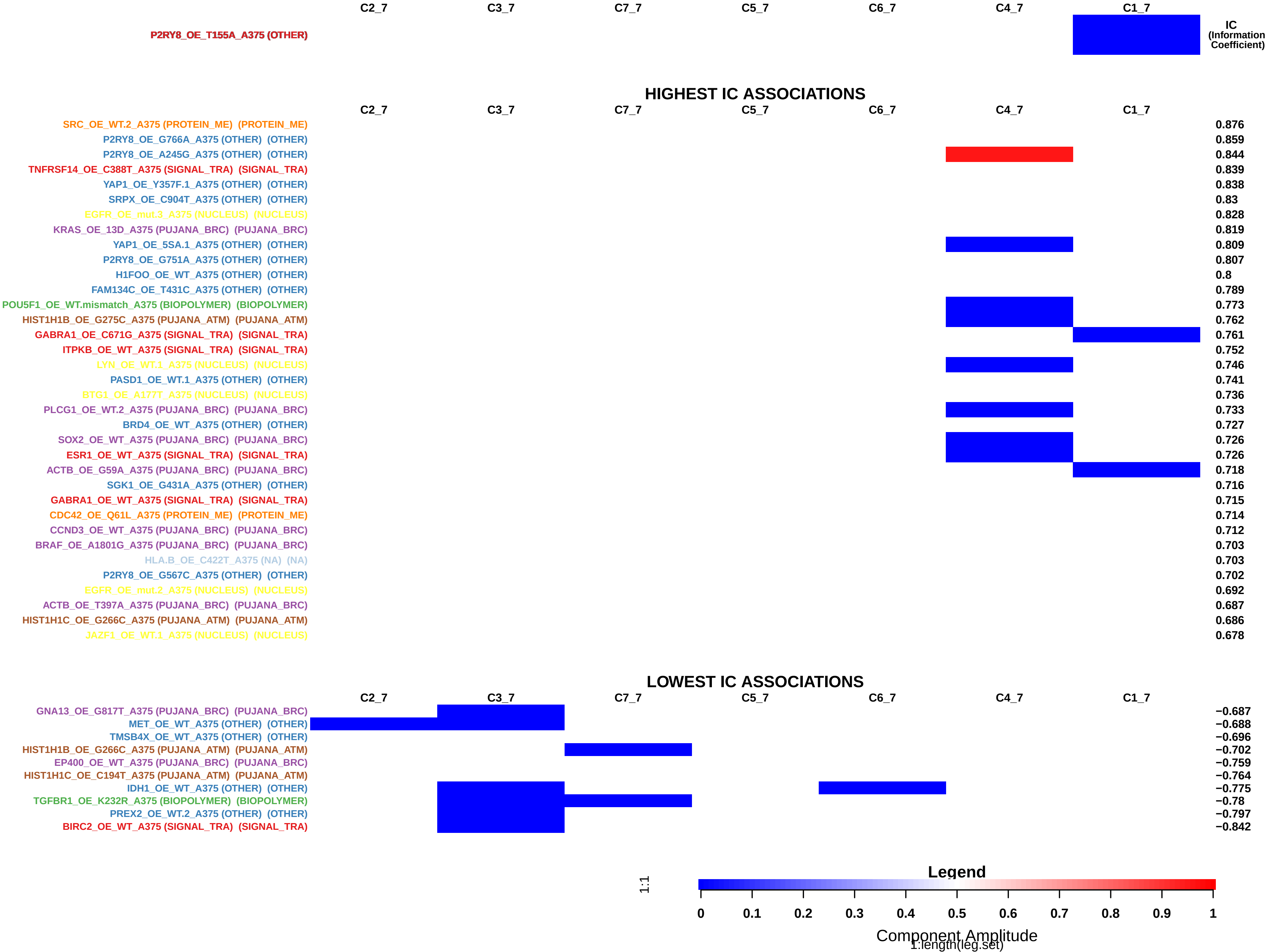


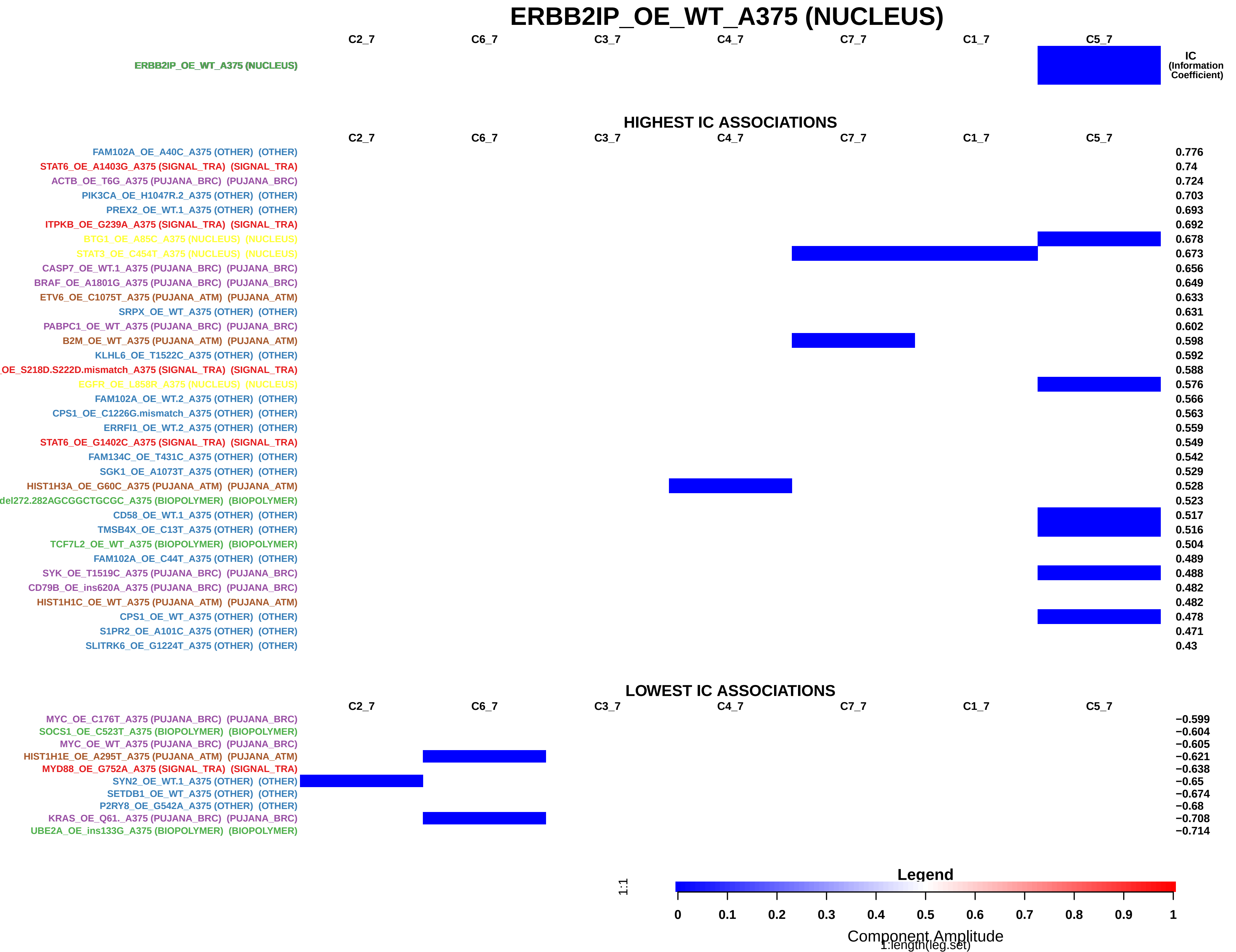

CPS1_OE_WT_A375 (OTHER)
C2_7
C4_7
C3_7
C1_7
C7_7
C6_7
C5_7
CPS1_OE_WT_A375 (OTHER)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
C2_7
C4_7
C3_7
C1_7
C7_7
C6_7
C5_7
CD58_OE_WT.1_A375 (OTHER) (OTHER) 0.795
ERRFI1_OE_WT.2_A375 (OTHER) (OTHER) 0.754
TMSB4X_OE_C13T_A375 (OTHER) (OTHER) 0.731
FAM102A_OE_C44T_A375 (OTHER) (OTHER) 0.714
PABPC1_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.688
SLITRK6_OE_A1742C_A375 (OTHER) (OTHER) 0.68
POU2F2_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.679
DPY30_OE_WT_A375 (OTHER) (OTHER) 0.674
CPS1_OE_C1226G.mismatch_A375 (OTHER) (OTHER) 0.673
ITPKB_OE_G239A_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.673
STAT6_OE_A1403G_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.672
SETD8_OE_WT_A375 (OTHER) (OTHER) 0.672
ITPKB_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.67
EGFR_OE_mut.1_A375 (NUCLEUS) (NUCLEUS) 0.67
TP53_OE_G856A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.667
CPS1_OE_T4433G.mismatch_A375 (OTHER) (OTHER) 0.665
ERRFI1_OE_WT.1_A375 (OTHER) (OTHER) 0.664
KLHL6_OE_WT.1_A375 (OTHER) (OTHER) 0.663
AXL_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.662
POU2F2_OE_A715T_A375 (BIOPOLYMER) (BIOPOLYMER) 0.661
FAM102A_OE_WT.2_A375 (OTHER) (OTHER) 0.657
ZNF830_OE_C28T_A375 (OTHER) (OTHER) 0.656
EZH2_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.655
P2RY8_OE_G567C_A375 (OTHER) (OTHER) 0.652
UBE2A_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) 0.652
SUZ12_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.643
SOCS1_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.642
PIM1_OE_C544T_A375 (BIOPOLYMER) (BIOPOLYMER) 0.638
H1FOO_OE_WT_A375 (OTHER) (OTHER) 0.636
HLA.B_OE_C422T_A375 (NA) (NA) 0.635
OE_S218D.S222D.mismatch_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.632
PASD1_OE_WT.1_A375 (OTHER) (OTHER) 0.63
KRAS_OE_13D_A375 (PUJANA_BRC) (PUJANA_BRC) 0.625
RNF2_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.622
SGK1_OE_A1073T_A375 (OTHER) (OTHER) 0.621
LOWEST IC ASSOCIATIONS
C2_7
C4_7
C3_7
C1_7
C7_7
C6_7
C5_7
MYD88_OE_G752A_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.398
TNFRSF14_OE_T76G_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.405
SYN2_OE_WT.1_A375 (OTHER) (OTHER) −0.428
TNFRSF13B_OE_WT.1_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.436
MEF2C_OE_WT.2_A375 (MULTICELLU) (MULTICELLU) −0.442
BCL10_OE_WT_A375 (NUCLEUS) (NUCLEUS) −0.445
PIM1_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) −0.482
PASD1_OE_WT.2_A375 (OTHER) (OTHER) −0.491
ETV6_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) −0.542
PASD1_OE_A235G_A375 (OTHER) (OTHER) −0.564
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

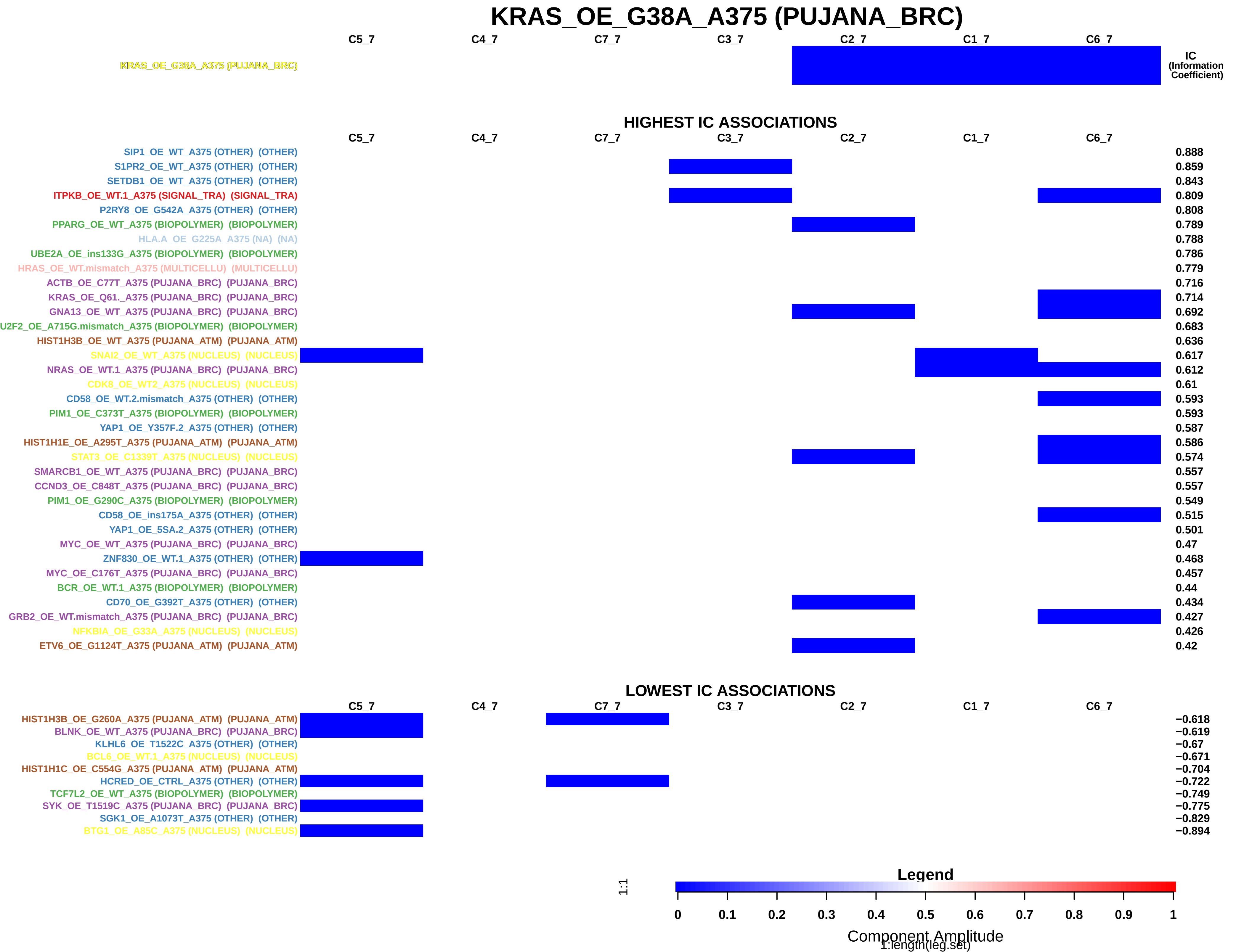
CCND3_OE_WT_A375 (PUJANA_BRC)



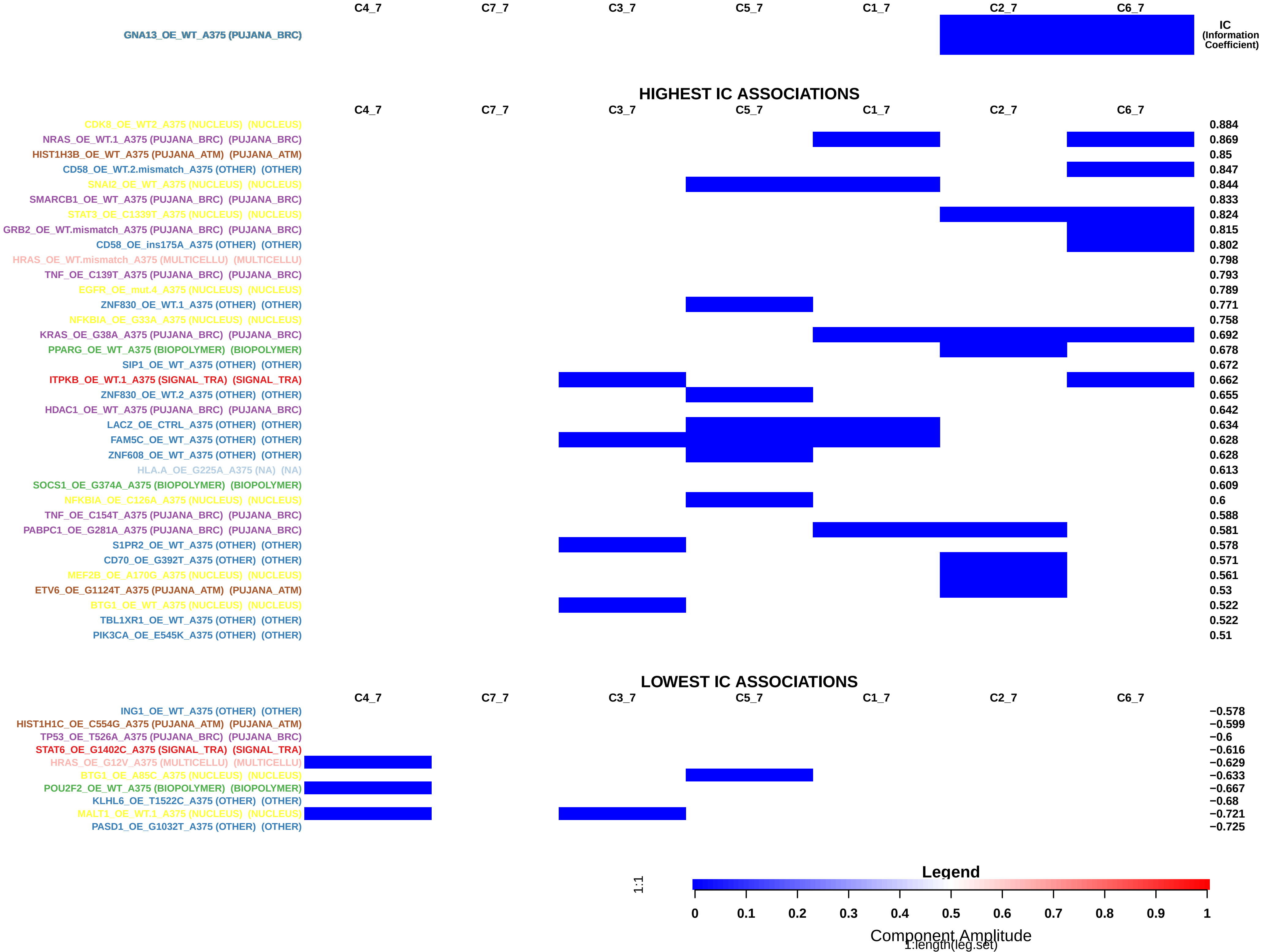
P2RY8_OE_T155A_A375 (OTHER)



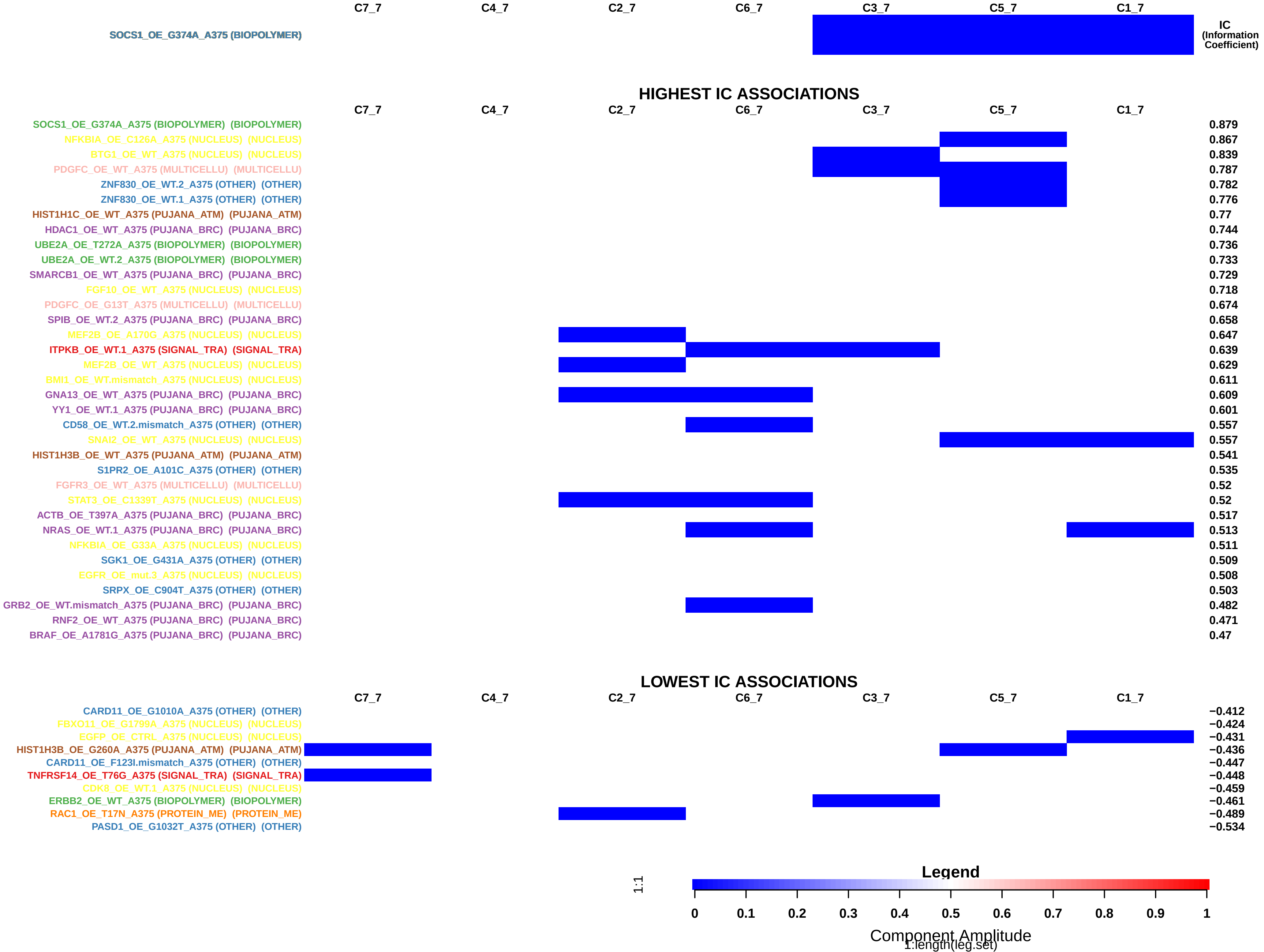

ERBB2IP_OE_WT_A375 (NUCLEUS)
C2_7
C6_7
C3_7
C4_7
C7_7
C1_7
C5_7
ERBB2IP_OE_WT_A375 (NUCLEUS)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
C2_7
C6_7
C3_7
C4_7
C7_7
C1_7
C5_7
FAM102A_OE_A40C_A375 (OTHER) (OTHER) 0.776
STAT6_OE_A1403G_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.74
ACTB_OE_T6G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.724
PIK3CA_OE_H1047R.2_A375 (OTHER) (OTHER) 0.703
PREX2_OE_WT.1_A375 (OTHER) (OTHER) 0.693
ITPKB_OE_G239A_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.692
BTG1_OE_A85C_A375 (NUCLEUS) (NUCLEUS) 0.678
STAT3_OE_C454T_A375 (NUCLEUS) (NUCLEUS) 0.673
CASP7_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) 0.656
BRAF_OE_A1801G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.649
ETV6_OE_C1075T_A375 (PUJANA_ATM) (PUJANA_ATM) 0.633
SRPX_OE_WT_A375 (OTHER) (OTHER) 0.631
PABPC1_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.602
B2M_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.598
KLHL6_OE_T1522C_A375 (OTHER) (OTHER) 0.592
OE_S218D.S222D.mismatch_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.588
EGFR_OE_L858R_A375 (NUCLEUS) (NUCLEUS) 0.576
FAM102A_OE_WT.2_A375 (OTHER) (OTHER) 0.566
CPS1_OE_C1226G.mismatch_A375 (OTHER) (OTHER) 0.563
ERRFI1_OE_WT.2_A375 (OTHER) (OTHER) 0.559
STAT6_OE_G1402C_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.549
FAM134C_OE_T431C_A375 (OTHER) (OTHER) 0.542
SGK1_OE_A1073T_A375 (OTHER) (OTHER) 0.529
HIST1H3A_OE_G60C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.528
del272.282AGCGGCTGCGC_A375 (BIOPOLYMER) (BIOPOLYMER) 0.523
CD58_OE_WT.1_A375 (OTHER) (OTHER) 0.517
TMSB4X_OE_C13T_A375 (OTHER) (OTHER) 0.516
TCF7L2_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.504
FAM102A_OE_C44T_A375 (OTHER) (OTHER) 0.489
SYK_OE_T1519C_A375 (PUJANA_BRC) (PUJANA_BRC) 0.488
CD79B_OE_ins620A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.482
HIST1H1C_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.482
CPS1_OE_WT_A375 (OTHER) (OTHER) 0.478
S1PR2_OE_A101C_A375 (OTHER) (OTHER) 0.471
SLITRK6_OE_G1224T_A375 (OTHER) (OTHER) 0.43
LOWEST IC ASSOCIATIONS
C2_7
C6_7
C3_7
C4_7
C7_7
C1_7
C5_7
MYC_OE_C176T_A375 (PUJANA_BRC) (PUJANA_BRC) −0.599
SOCS1_OE_C523T_A375 (BIOPOLYMER) (BIOPOLYMER) −0.604
MYC_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) −0.605
HIST1H1E_OE_A295T_A375 (PUJANA_ATM) (PUJANA_ATM) −0.621
MYD88_OE_G752A_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.638
SYN2_OE_WT.1_A375 (OTHER) (OTHER) −0.65
SETDB1_OE_WT_A375 (OTHER) (OTHER) −0.674
P2RY8_OE_G542A_A375 (OTHER) (OTHER) −0.68
KRAS_OE_Q61._A375 (PUJANA_BRC) (PUJANA_BRC) −0.708
UBE2A_OE_ins133G_A375 (BIOPOLYMER) (BIOPOLYMER) −0.714
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)


KRAS_OE_G38A_A375 (PUJANA_BRC)
C5_7
C4_7
C7_7
C3_7
C2_7
C1_7
C6_7
KRAS_OE_G38A_A375 (PUJANA_BRC)
IC (Information Coefficient)
HIGHEST IC ASSOCIATIONS
SIP1_OE_WT_A375 (OTHER) (OTHER) 0.888
S1PR2_OE_WT_A375 (OTHER) (OTHER) 0.859
SETDB1_OE_WT_A375 (OTHER) (OTHER) 0.843
ITPKB_OE_WT.1_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.809
P2RY8_OE_G542A_A375 (OTHER) (OTHER) 0.808
PPARG_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.789
HLA.A_OE_G225A_A375 (NA) (NA) 0.788
UBE2A_OE_ins133G_A375 (BIOPOLYMER) (BIOPOLYMER) 0.786
HRAS_OE_WT.mismatch_A375 (MULTICELLU) (MULTICELLU) 0.779
ACTB_OE_C77T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.716
KRAS_OE_Q61._A375 (PUJANA_BRC) (PUJANA_BRC) 0.714
GNA13_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.692
U2F2_OE_A715G.mismatch_A375 (BIOPOLYMER) (BIOPOLYMER) 0.683
HIST1H3B_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.636
SNAI2_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.617
NRAS_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) 0.612
CDK8_OE_WT2_A375 (NUCLEUS) (NUCLEUS) 0.61
CD58_OE_WT.2.mismatch_A375 (OTHER) (OTHER) 0.593
PIM1_OE_C373T_A375 (BIOPOLYMER) (BIOPOLYMER) 0.593
YAP1_OE_Y357F.2_A375 (OTHER) (OTHER) 0.587
HIST1H1E_OE_A295T_A375 (PUJANA_ATM) (PUJANA_ATM) 0.586
STAT3_OE_C1339T_A375 (NUCLEUS) (NUCLEUS) 0.574
SMARCB1_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.557
CCND3_OE_C848T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.557
PIM1_OE_G290C_A375 (BIOPOLYMER) (BIOPOLYMER) 0.549
CD58_OE_ins175A_A375 (OTHER) (OTHER) 0.515
YAP1_OE_5SA.2_A375 (OTHER) (OTHER) 0.501
MYC_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.47
ZNF830_OE_WT.1_A375 (OTHER) (OTHER) 0.468
MYC_OE_C176T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.457
BCR_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) 0.44
CD70_OE_G392T_A375 (OTHER) (OTHER) 0.434
GRB2_OE_WT.mismatch_A375 (PUJANA_BRC) (PUJANA_BRC) 0.427
NFKBIA_OE_G33A_A375 (NUCLEUS) (NUCLEUS) 0.426
ETV6_OE_G1124T_A375 (PUJANA_ATM) (PUJANA_ATM) 0.42
LOWEST IC ASSOCIATIONS
HIST1H3B_OE_G260A_A375 (PUJANA_ATM) (PUJANA_ATM) −0.618
BLNK_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) −0.619
KLHL6_OE_T1522C_A375 (OTHER) (OTHER) −0.67
BCL6_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) −0.671
HIST1H1C_OE_C554G_A375 (PUJANA_ATM) (PUJANA_ATM) −0.704
HCRED_OE_CTRL_A375 (OTHER) (OTHER) −0.722
TCF7L2_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) −0.749
SYK_OE_T1519C_A375 (PUJANA_BRC) (PUJANA_BRC) −0.775
SGK1_OE_A1073T_A375 (OTHER) (OTHER) −0.829
BTG1_OE_A85C_A375 (NUCLEUS) (NUCLEUS) −0.894
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

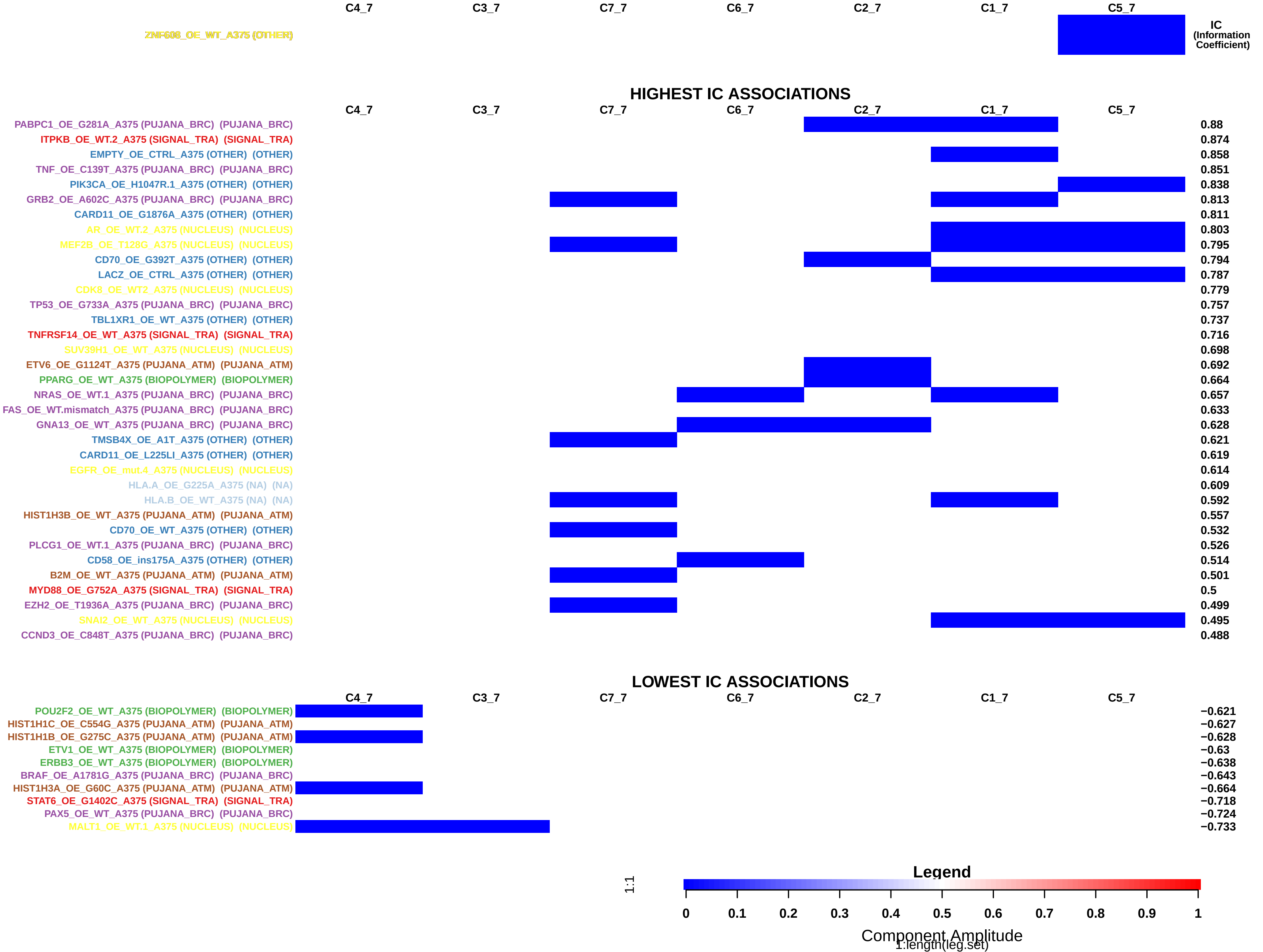
GNA13_OE_WT_A375 (PUJANA_BRC)



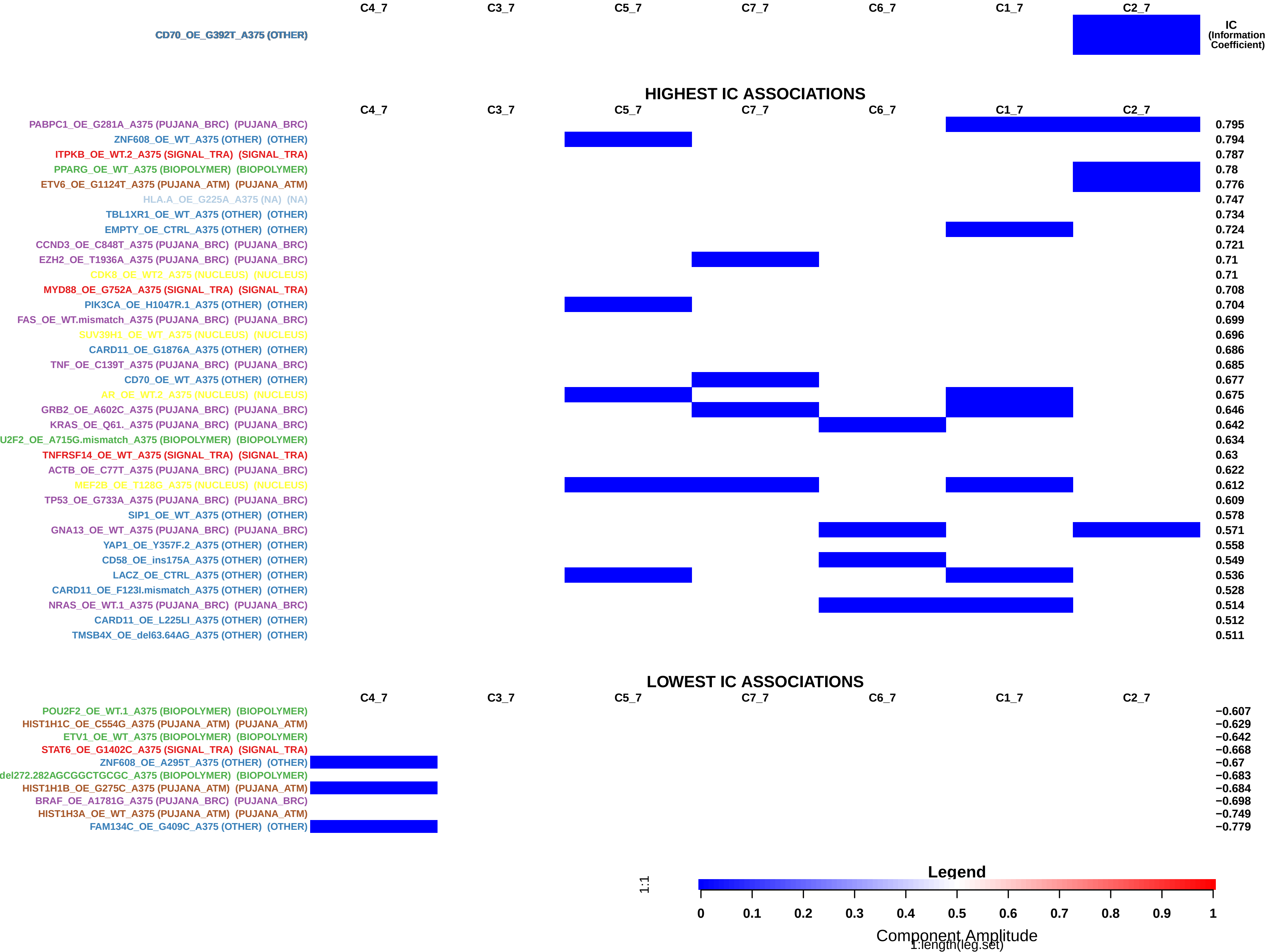
SOCS1_OE_G374A_A375 (BIOPOLYMER)

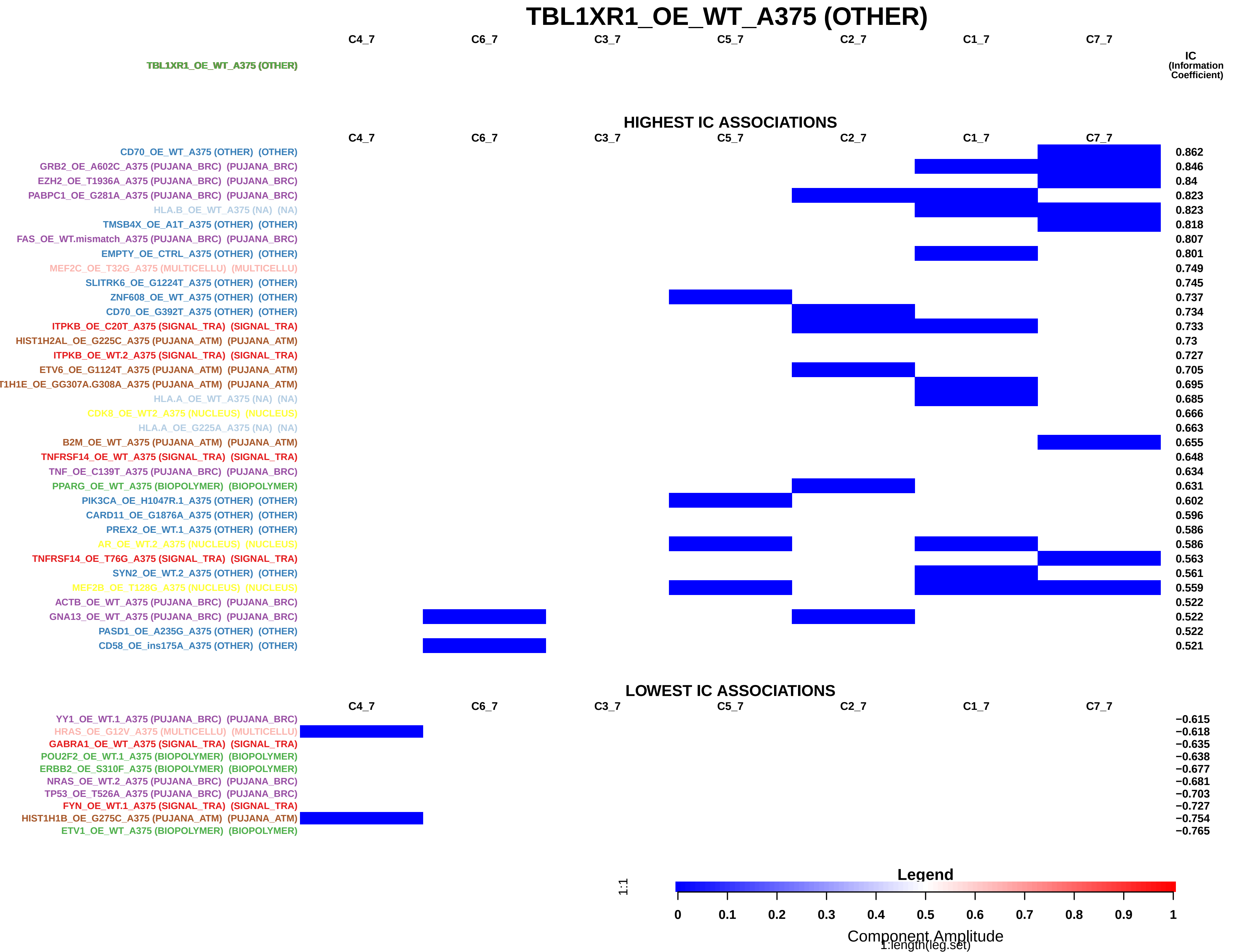


ZNF608_OE_WT_A375 (OTHER)

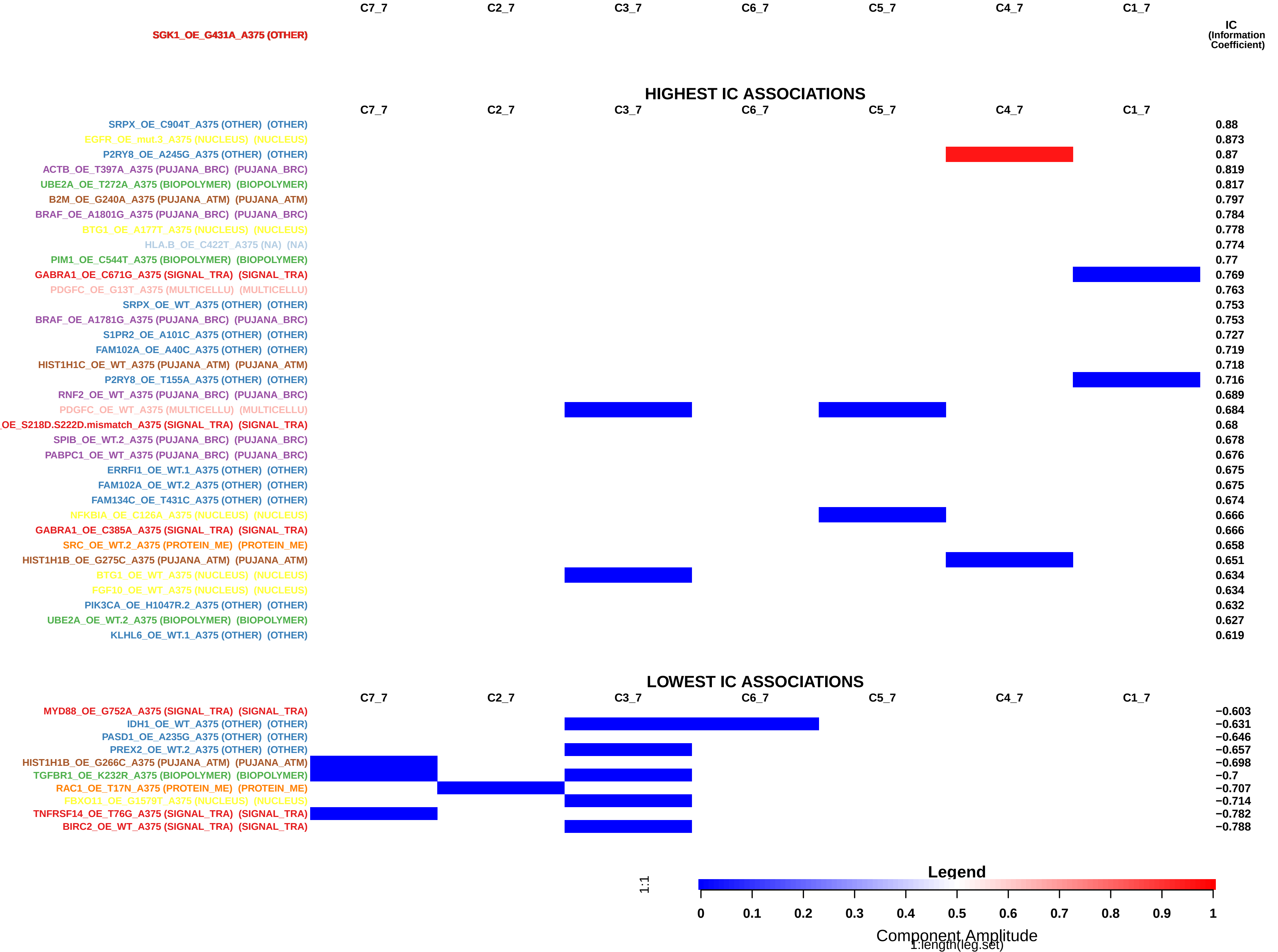


CD70_OE_G392T_A375 (OTHER)

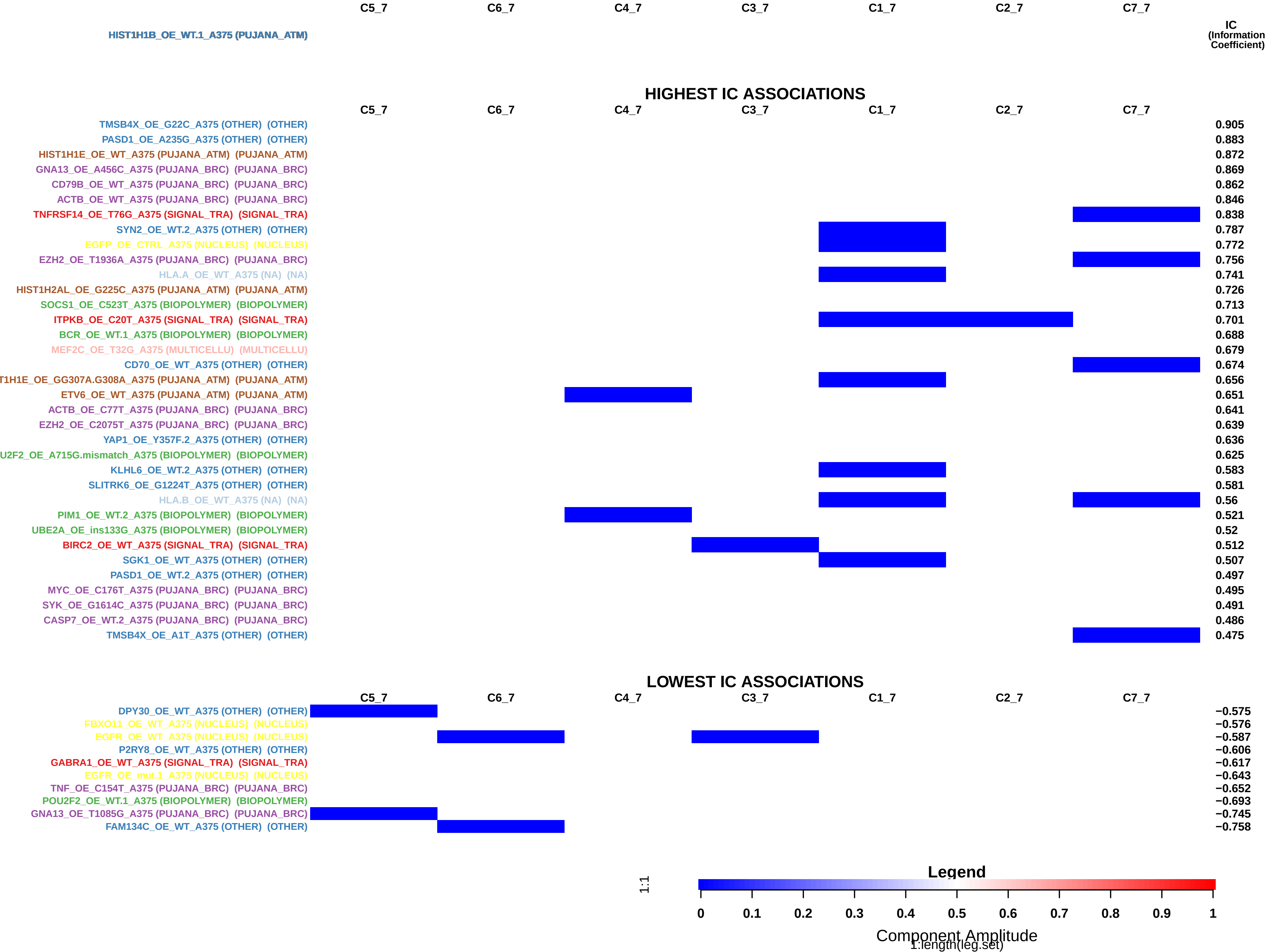



TBL1XR1_OE_WT_A375 (OTHER)
C4_7
C6_7
C3_7
C5_7
C2_7
C1_7
C7_7
TBL1XR1_OE_WT_A375 (OTHER)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
C4_7
C6_7
C3_7
C5_7
C2_7
C1_7
C7_7
CD70_OE_WT_A375 (OTHER) (OTHER) 0.862
GRB2_OE_A602C_A375 (PUJANA_BRC) (PUJANA_BRC) 0.846
EZH2_OE_T1936A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.84
PABPC1_OE_G281A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.823
HLA.B_OE_WT_A375 (NA) (NA) 0.823
TMSB4X_OE_A1T_A375 (OTHER) (OTHER) 0.818
FAS_OE_WT.mismatch_A375 (PUJANA_BRC) (PUJANA_BRC) 0.807
EMPTY_OE_CTRL_A375 (OTHER) (OTHER) 0.801
MEF2C_OE_T32G_A375 (MULTICELLU) (MULTICELLU) 0.749
SLITRK6_OE_G1224T_A375 (OTHER) (OTHER) 0.745
ZNF608_OE_WT_A375 (OTHER) (OTHER) 0.737
CD70_OE_G392T_A375 (OTHER) (OTHER) 0.734
ITPKB_OE_C20T_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.733
HIST1H2AL_OE_G225C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.73
ITPKB_OE_WT.2_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.727
ETV6_OE_G1124T_A375 (PUJANA_ATM) (PUJANA_ATM) 0.705
T1H1E_OE_GG307A.G308A_A375 (PUJANA_ATM) (PUJANA_ATM) 0.695
HLA.A_OE_WT_A375 (NA) (NA) 0.685
CDK8_OE_WT2_A375 (NUCLEUS) (NUCLEUS) 0.666
HLA.A_OE_G225A_A375 (NA) (NA) 0.663
B2M_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.655
TNFRSF14_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.648
TNF_OE_C139T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.634
PPARG_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.631
PIK3CA_OE_H1047R.1_A375 (OTHER) (OTHER) 0.602
CARD11_OE_G1876A_A375 (OTHER) (OTHER) 0.596
PREX2_OE_WT.1_A375 (OTHER) (OTHER) 0.586
AR_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.586
TNFRSF14_OE_T76G_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.563
SYN2_OE_WT.2_A375 (OTHER) (OTHER) 0.561
MEF2B_OE_T128G_A375 (NUCLEUS) (NUCLEUS) 0.559
ACTB_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.522
GNA13_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.522
PASD1_OE_A235G_A375 (OTHER) (OTHER) 0.522
CD58_OE_ins175A_A375 (OTHER) (OTHER) 0.521
LOWEST IC ASSOCIATIONS
C4_7
C6_7
C3_7
C5_7
C2_7
C1_7
C7_7
YY1_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) −0.615
HRAS_OE_G12V_A375 (MULTICELLU) (MULTICELLU) −0.618
GABRA1_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.635
POU2F2_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) −0.638
ERBB2_OE_S310F_A375 (BIOPOLYMER) (BIOPOLYMER) −0.677
NRAS_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) −0.681
TP53_OE_T526A_A375 (PUJANA_BRC) (PUJANA_BRC) −0.703
FYN_OE_WT.1_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.727
HIST1H1B_OE_G275C_A375 (PUJANA_ATM) (PUJANA_ATM) −0.754
ETV1_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) −0.765
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

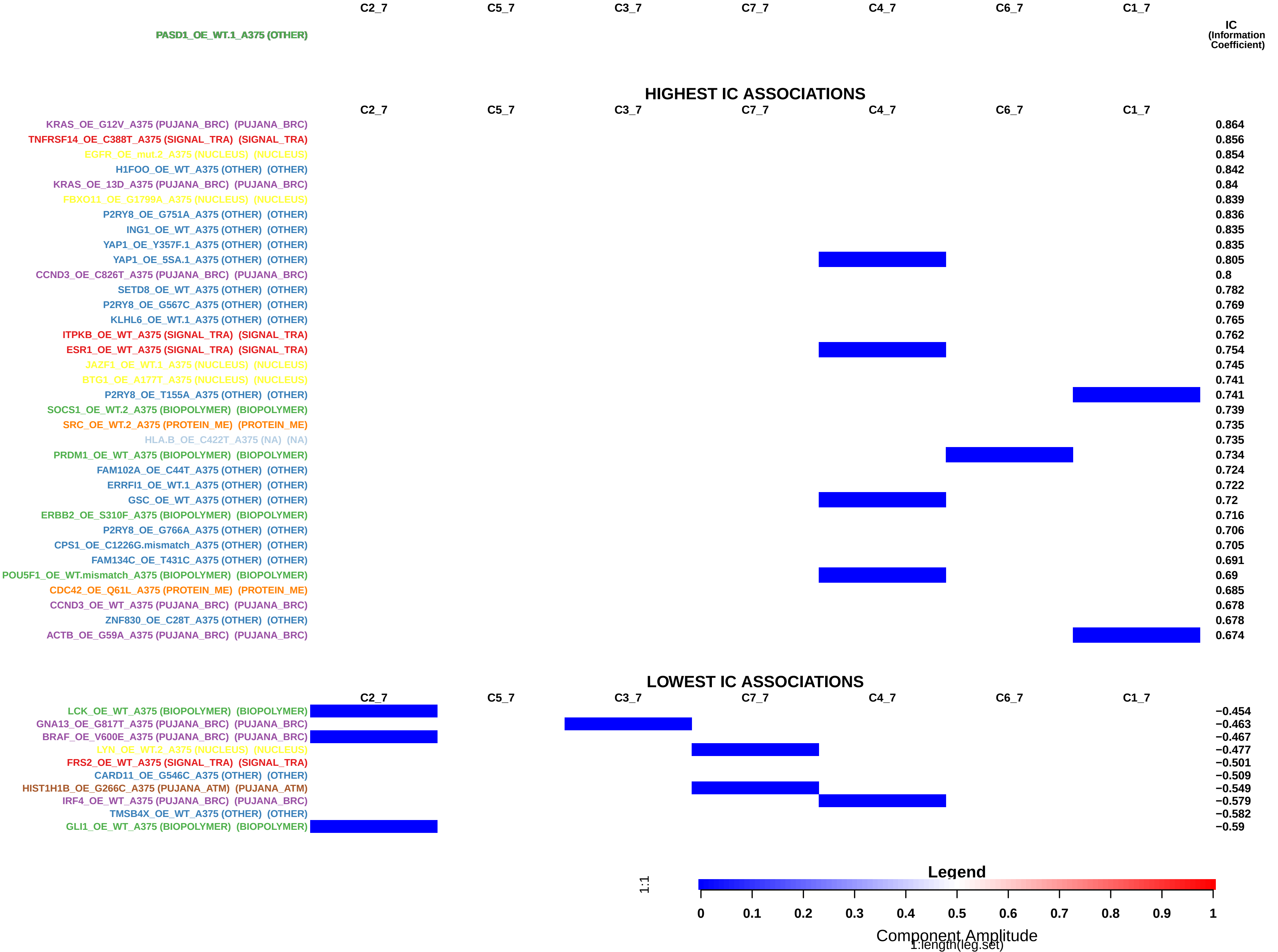
SGK1_OE_G431A_A375 (OTHER)



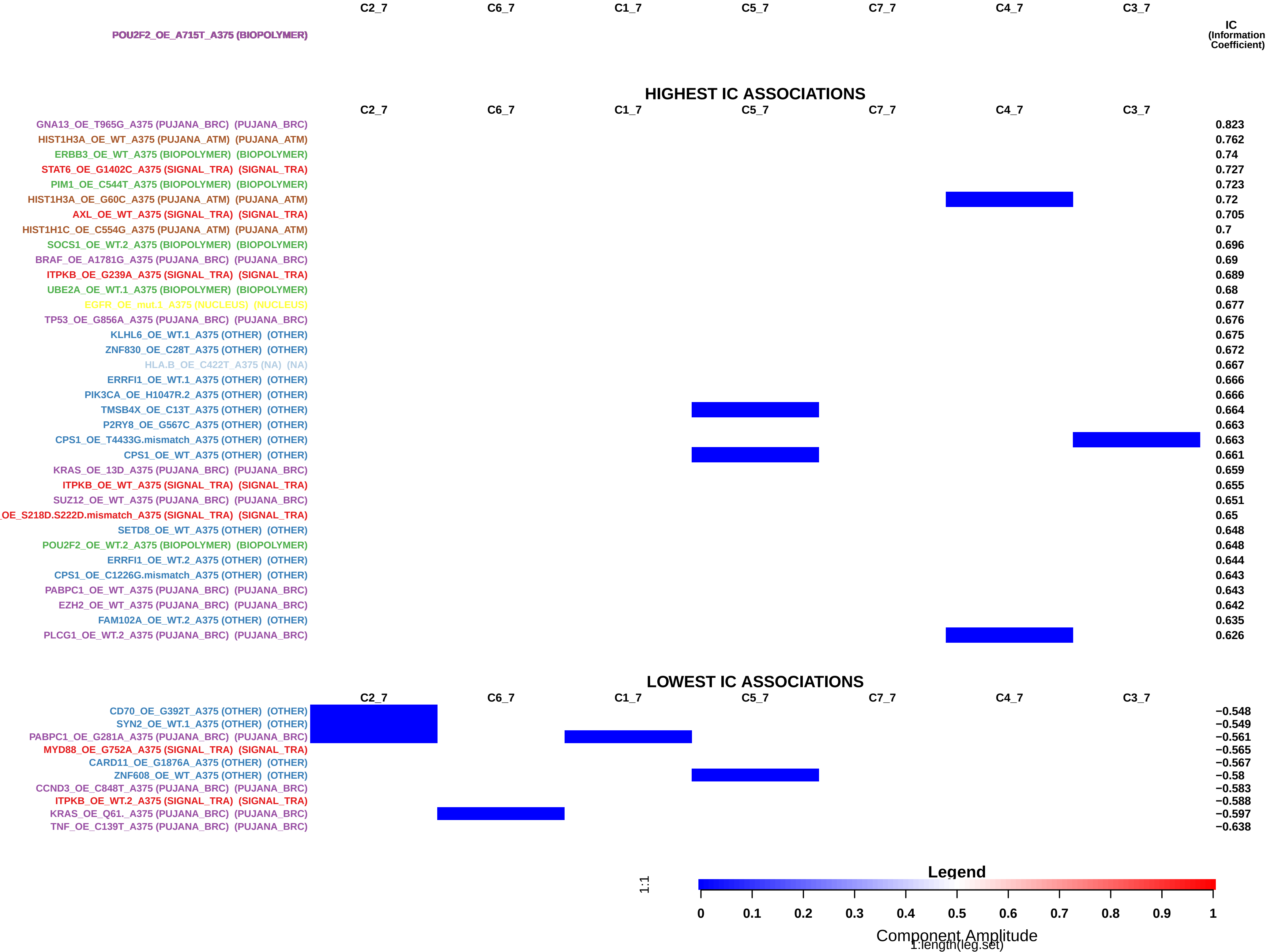
HIST1H1B_OE_WT.1_A375 (PUJANA_ATM)



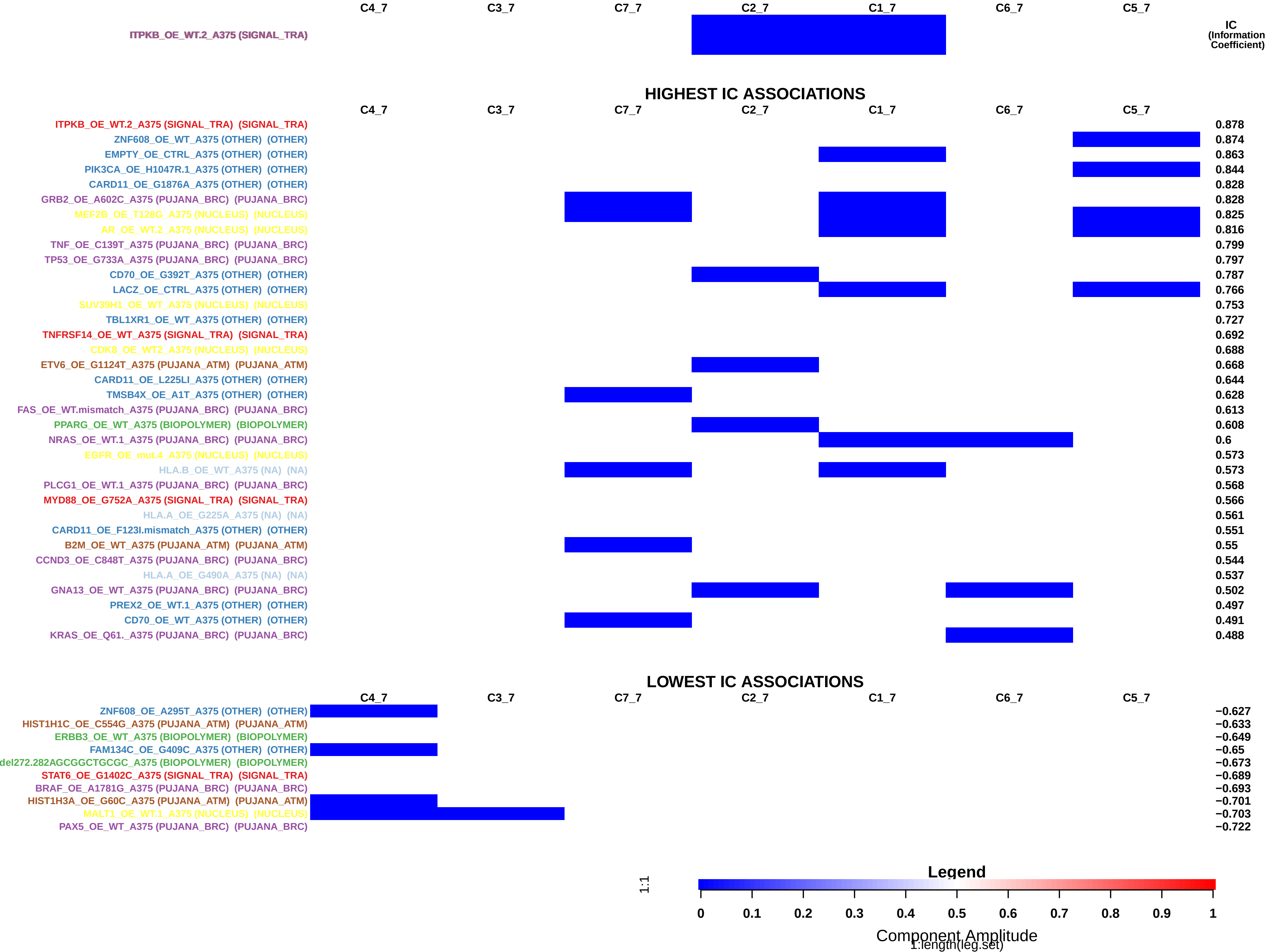
PASD1_OE_WT.1_A375 (OTHER)



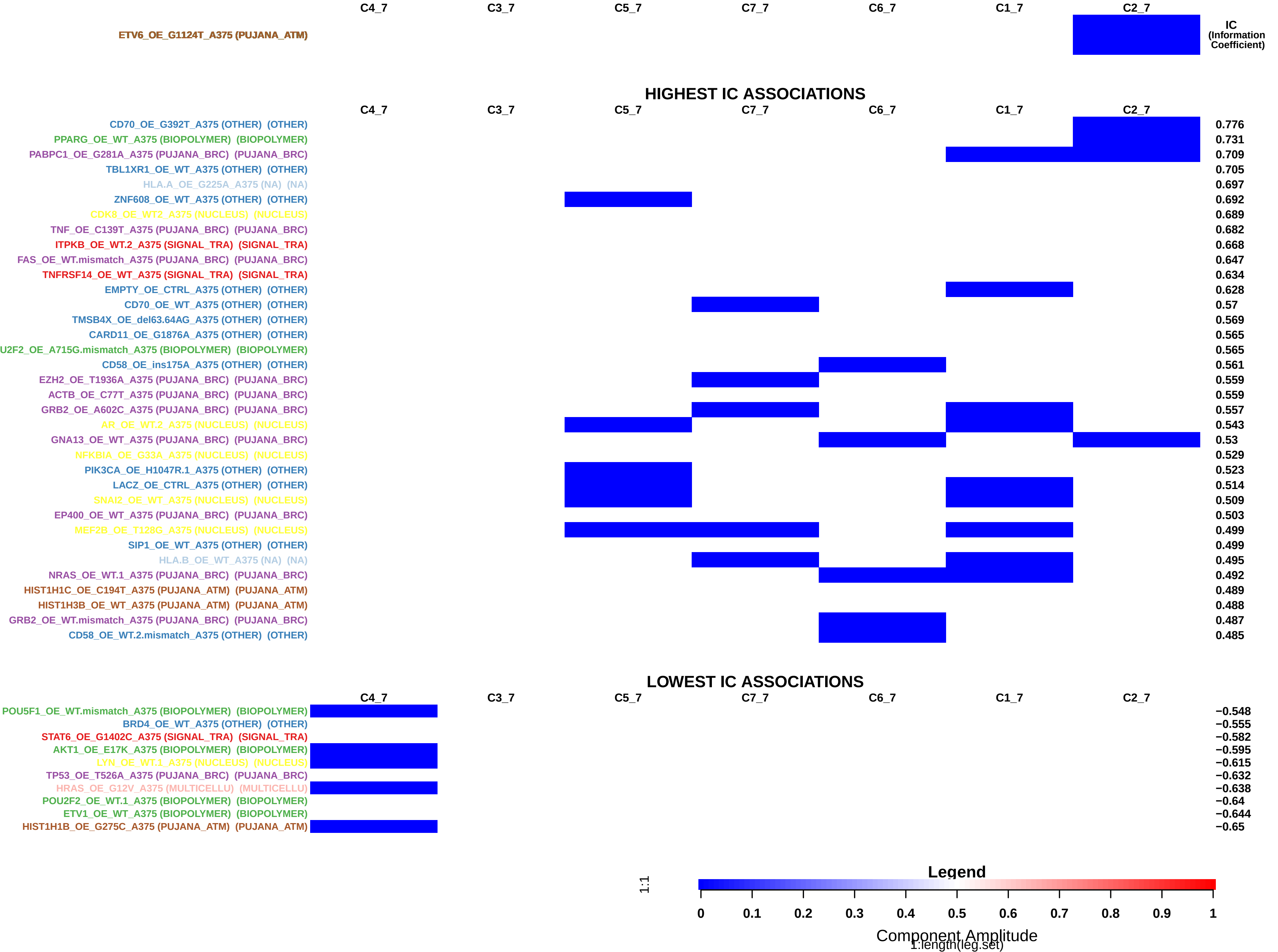
POU2F2_OE_A715T_A375 (BIOPOLYMER)



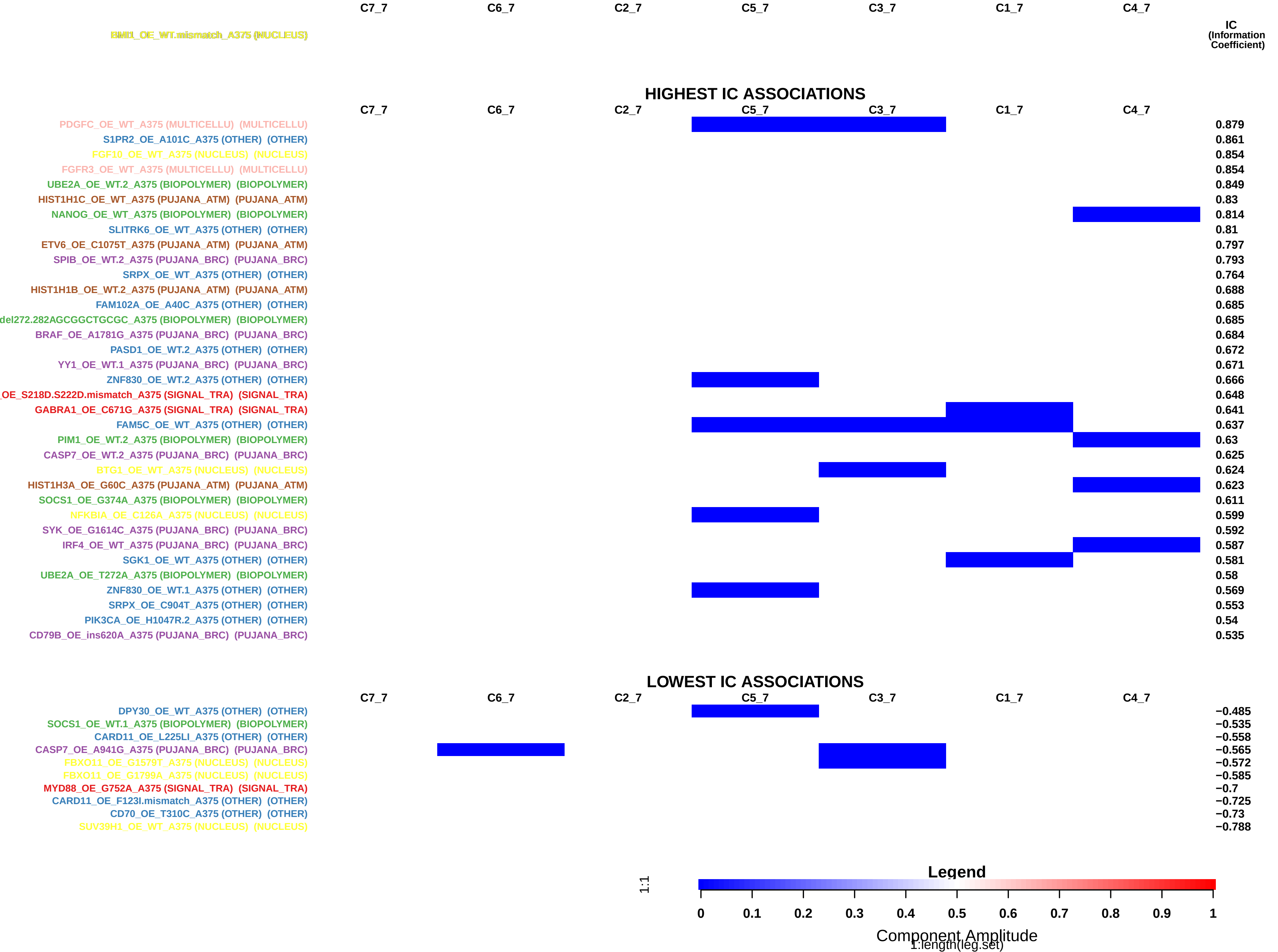
ITPKB_OE_WT.2_A375 (SIGNAL_TRA)



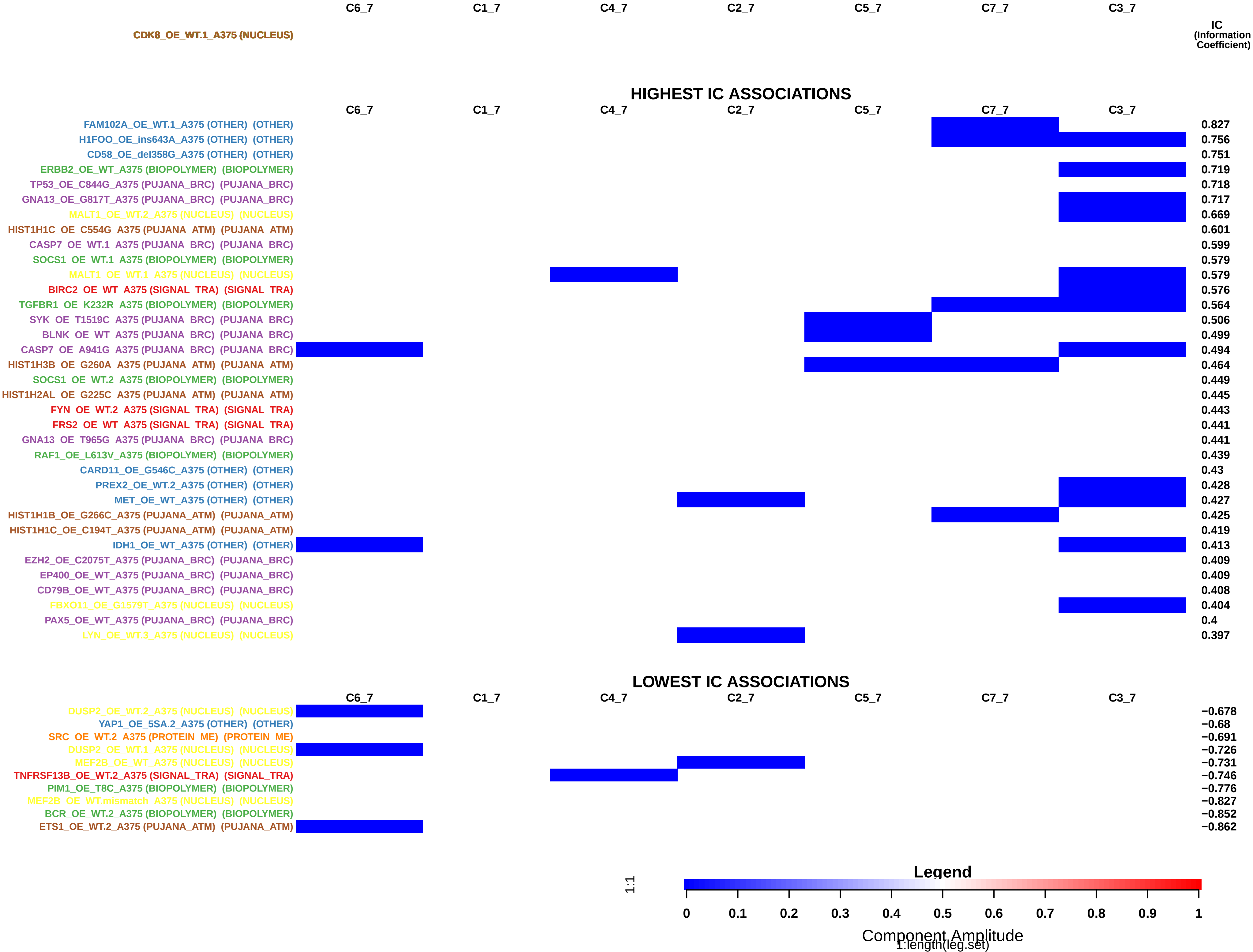
ETV6_OE_G1124T_A375 (PUJANA_ATM)



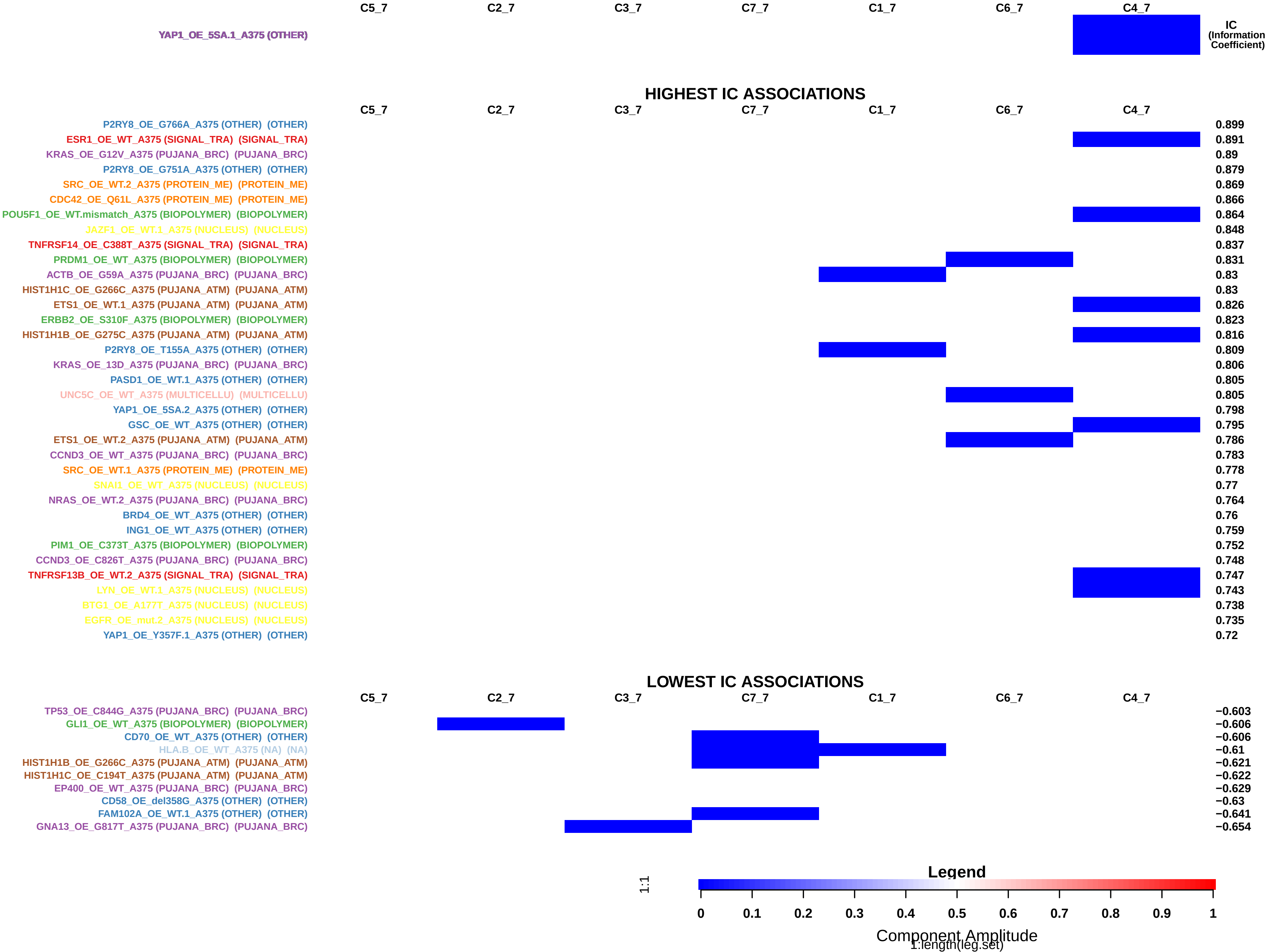
BMI1_OE_WT.mismatch_A375 (NUCLEUS)



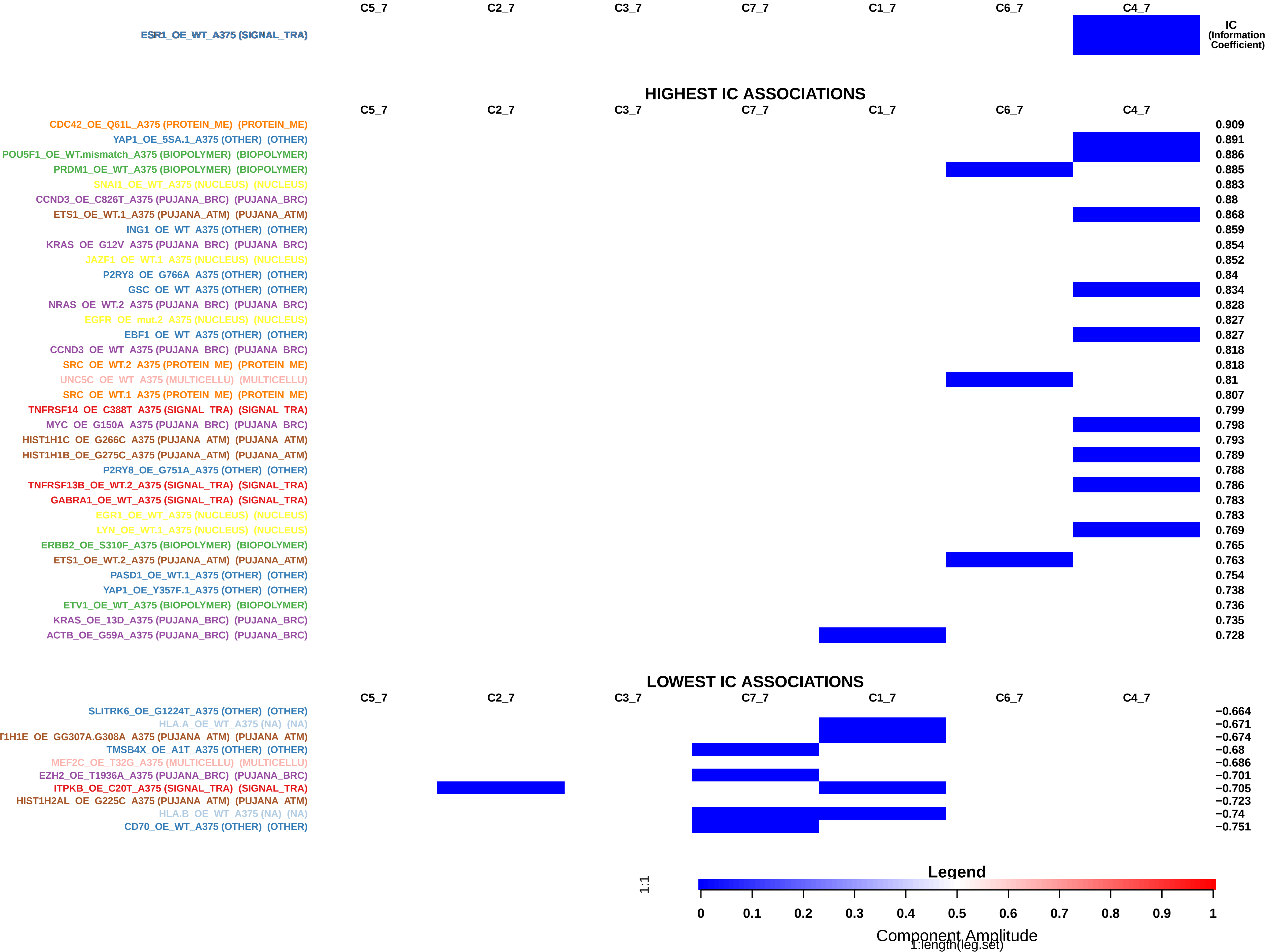
CDK8_OE_WT.1_A375 (NUCLEUS)



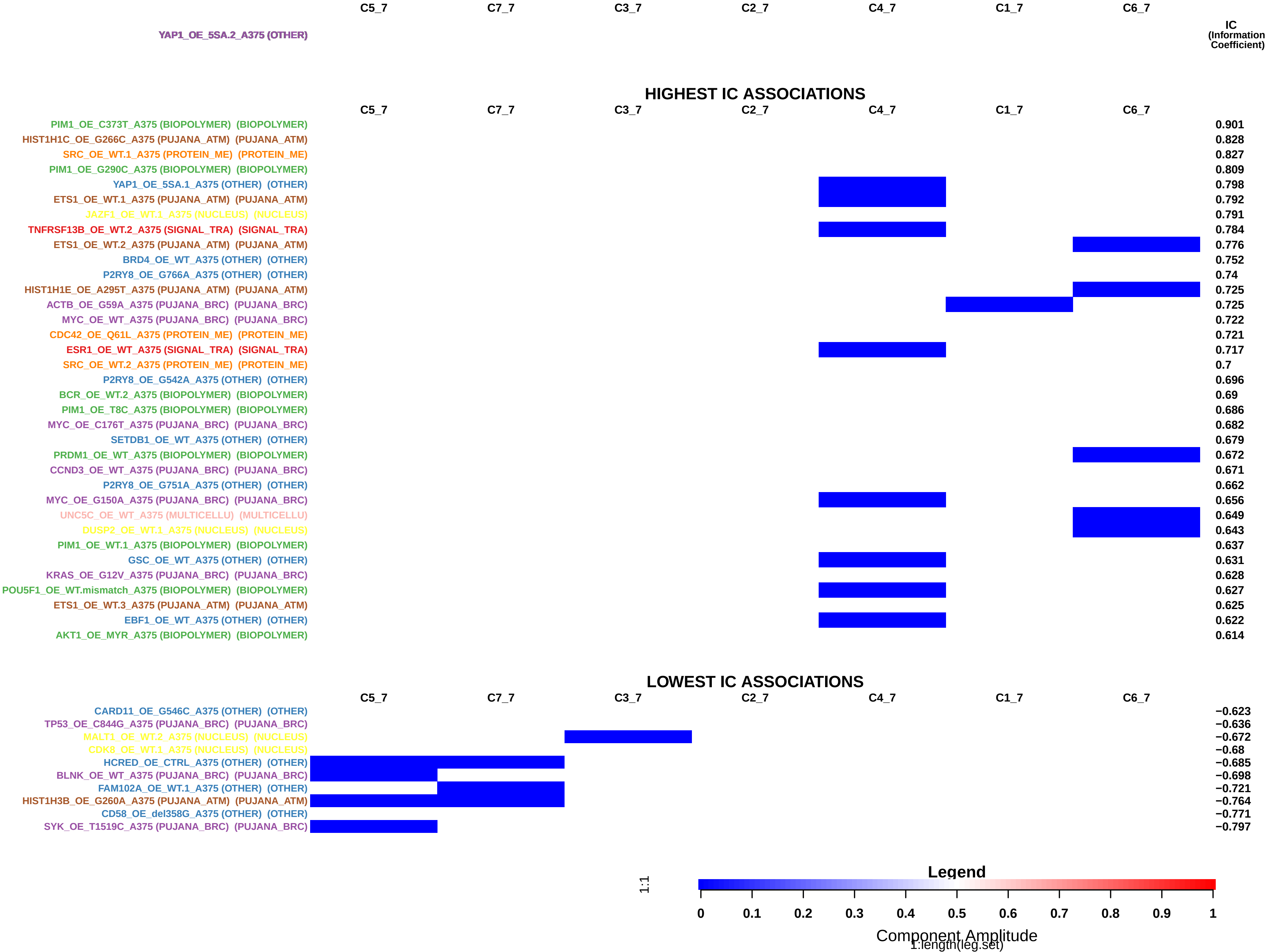
YAP1_OE_5SA.1_A375 (OTHER)



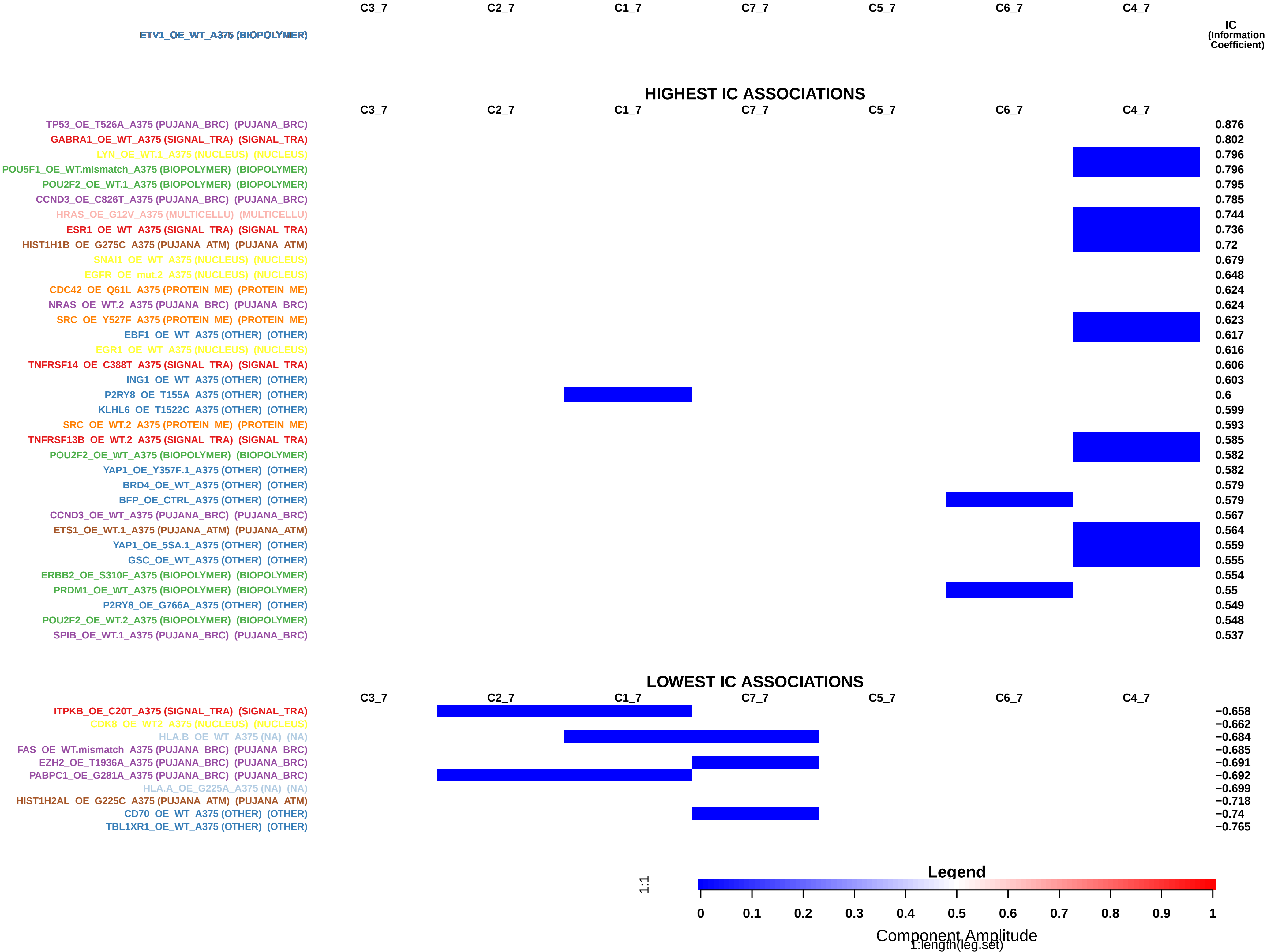
ESR1_OE_WT_A375 (SIGNAL_TRA)

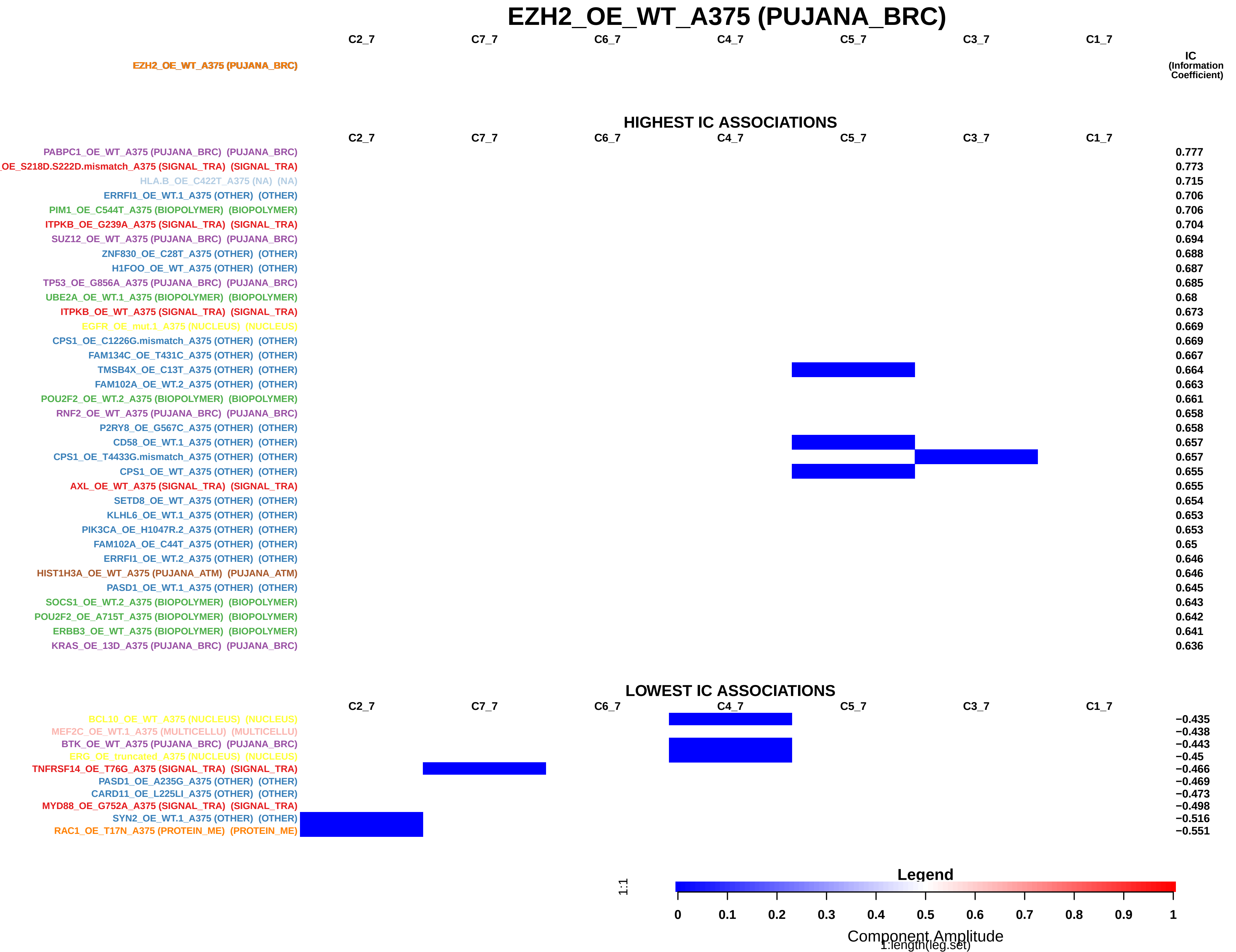


YAP1_OE_5SA.2_A375 (OTHER)

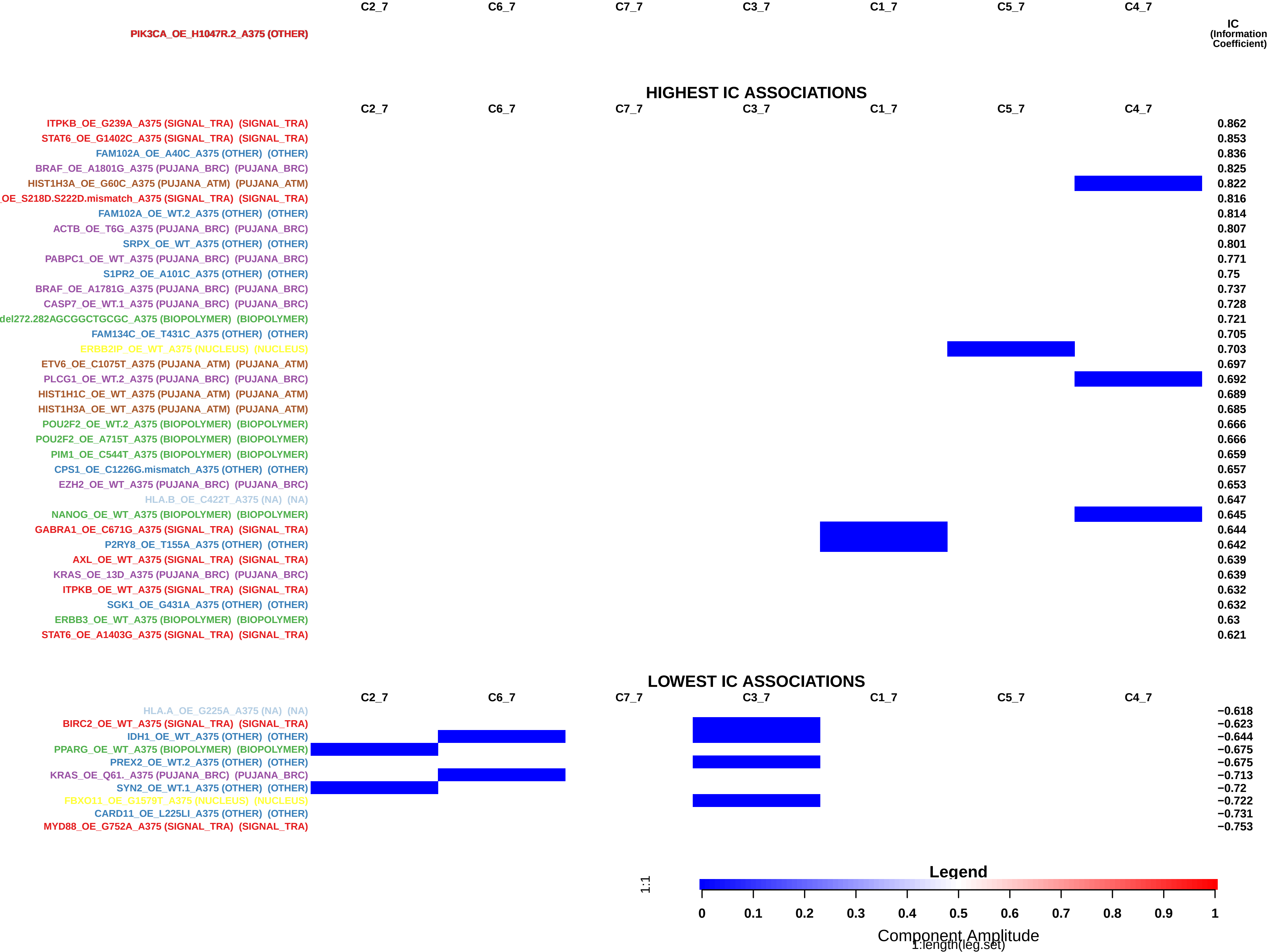


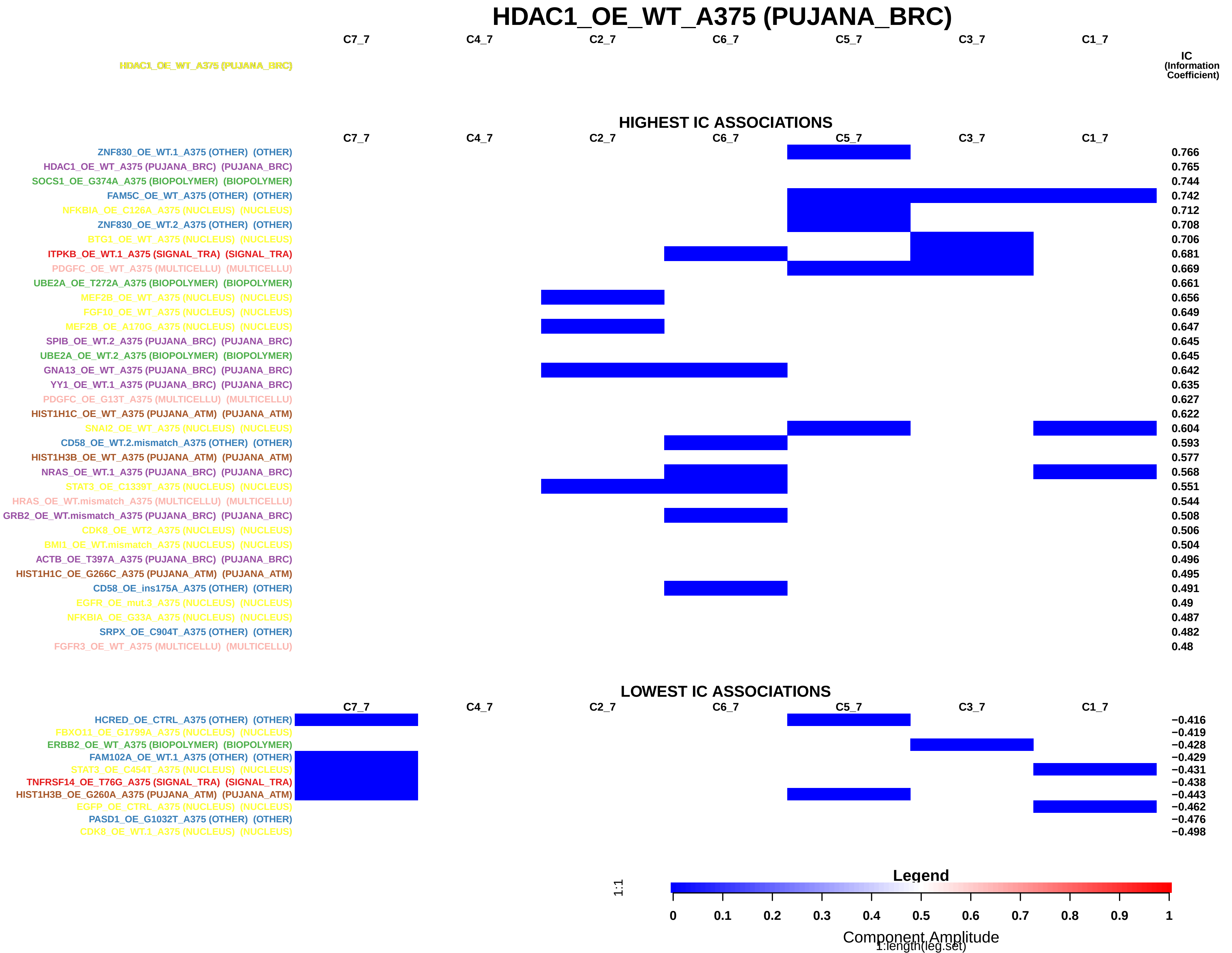
ETV1_OE_WT_A375 (BIOPOLYMER)



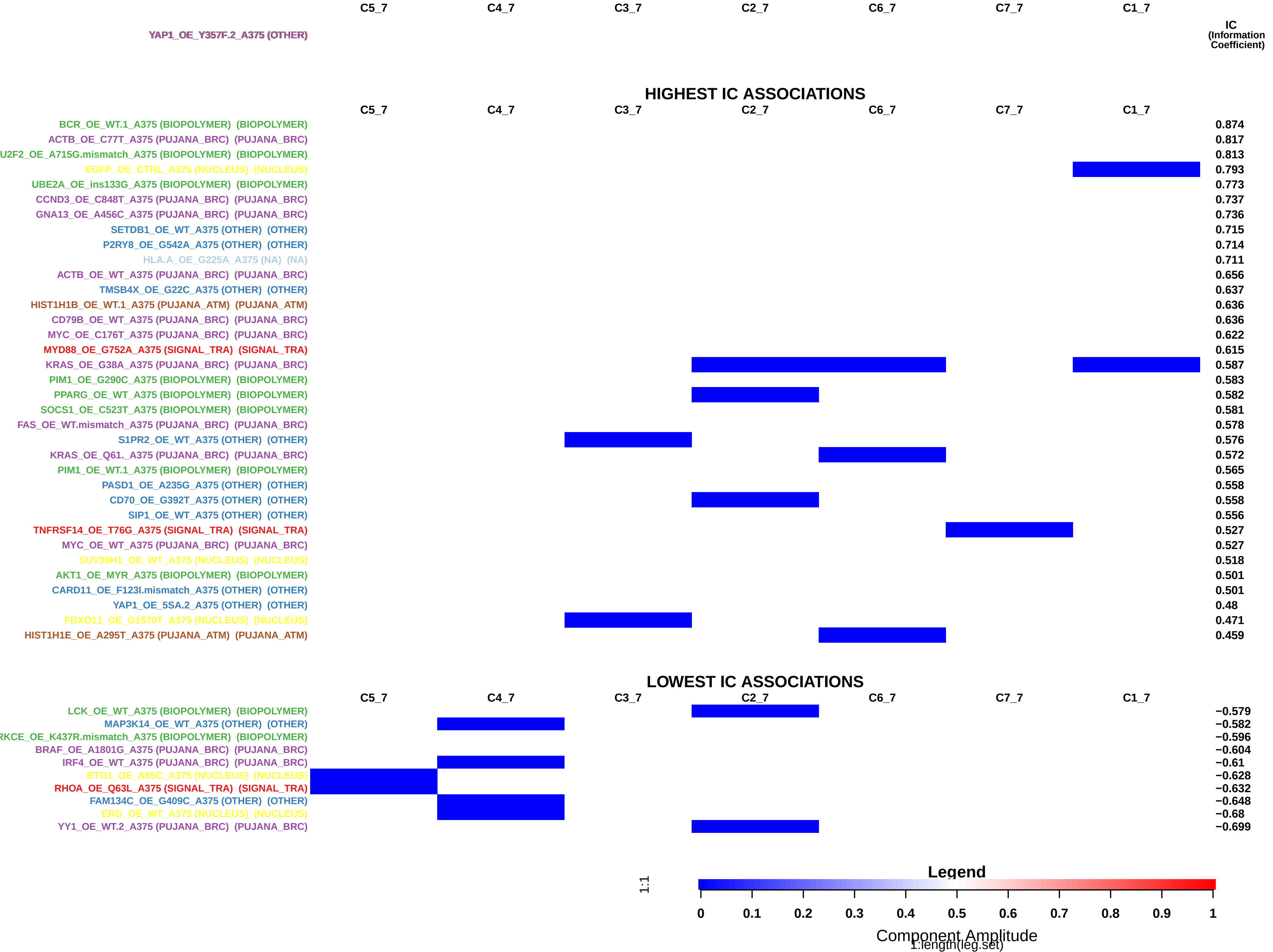

EZH2_OE_WT_A375 (PUJANA_BRC)
C2_7
C7_7
C6_7
C4_7
C5_7
C3_7
C1_7
EZH2_OE_WT_A375 (PUJANA_BRC)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
C2_7
C7_7
C6_7
C4_7
C5_7
C3_7
C1_7
PABPC1_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.777
OE_S218D.S222D.mismatch_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.773
HLA.B_OE_C422T_A375 (NA) (NA) 0.715
ERRFI1_OE_WT.1_A375 (OTHER) (OTHER) 0.706
PIM1_OE_C544T_A375 (BIOPOLYMER) (BIOPOLYMER) 0.706
ITPKB_OE_G239A_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.704
SUZ12_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.694
ZNF830_OE_C28T_A375 (OTHER) (OTHER) 0.688
H1FOO_OE_WT_A375 (OTHER) (OTHER) 0.687
TP53_OE_G856A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.685
UBE2A_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) 0.68
ITPKB_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.673
EGFR_OE_mut.1_A375 (NUCLEUS) (NUCLEUS) 0.669
CPS1_OE_C1226G.mismatch_A375 (OTHER) (OTHER) 0.669
FAM134C_OE_T431C_A375 (OTHER) (OTHER) 0.667
TMSB4X_OE_C13T_A375 (OTHER) (OTHER) 0.664
FAM102A_OE_WT.2_A375 (OTHER) (OTHER) 0.663
POU2F2_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.661
RNF2_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.658
P2RY8_OE_G567C_A375 (OTHER) (OTHER) 0.658
CD58_OE_WT.1_A375 (OTHER) (OTHER) 0.657
CPS1_OE_T4433G.mismatch_A375 (OTHER) (OTHER) 0.657
CPS1_OE_WT_A375 (OTHER) (OTHER) 0.655
AXL_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.655
SETD8_OE_WT_A375 (OTHER) (OTHER) 0.654
KLHL6_OE_WT.1_A375 (OTHER) (OTHER) 0.653
PIK3CA_OE_H1047R.2_A375 (OTHER) (OTHER) 0.653
FAM102A_OE_C44T_A375 (OTHER) (OTHER) 0.65
ERRFI1_OE_WT.2_A375 (OTHER) (OTHER) 0.646
HIST1H3A_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.646
PASD1_OE_WT.1_A375 (OTHER) (OTHER) 0.645
SOCS1_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.643
POU2F2_OE_A715T_A375 (BIOPOLYMER) (BIOPOLYMER) 0.642
ERBB3_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.641
KRAS_OE_13D_A375 (PUJANA_BRC) (PUJANA_BRC) 0.636
LOWEST IC ASSOCIATIONS
C2_7
C7_7
C6_7
C4_7
C5_7
C3_7
C1_7
BCL10_OE_WT_A375 (NUCLEUS) (NUCLEUS) −0.435
MEF2C_OE_WT.1_A375 (MULTICELLU) (MULTICELLU) −0.438
BTK_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) −0.443
ERG_OE_truncated_A375 (NUCLEUS) (NUCLEUS) −0.45
TNFRSF14_OE_T76G_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.466
PASD1_OE_A235G_A375 (OTHER) (OTHER) −0.469
CARD11_OE_L225LI_A375 (OTHER) (OTHER) −0.473
MYD88_OE_G752A_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.498
SYN2_OE_WT.1_A375 (OTHER) (OTHER) −0.516
RAC1_OE_T17N_A375 (PROTEIN_ME) (PROTEIN_ME) −0.551
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

PIK3CA_OE_H1047R.2_A375 (OTHER)

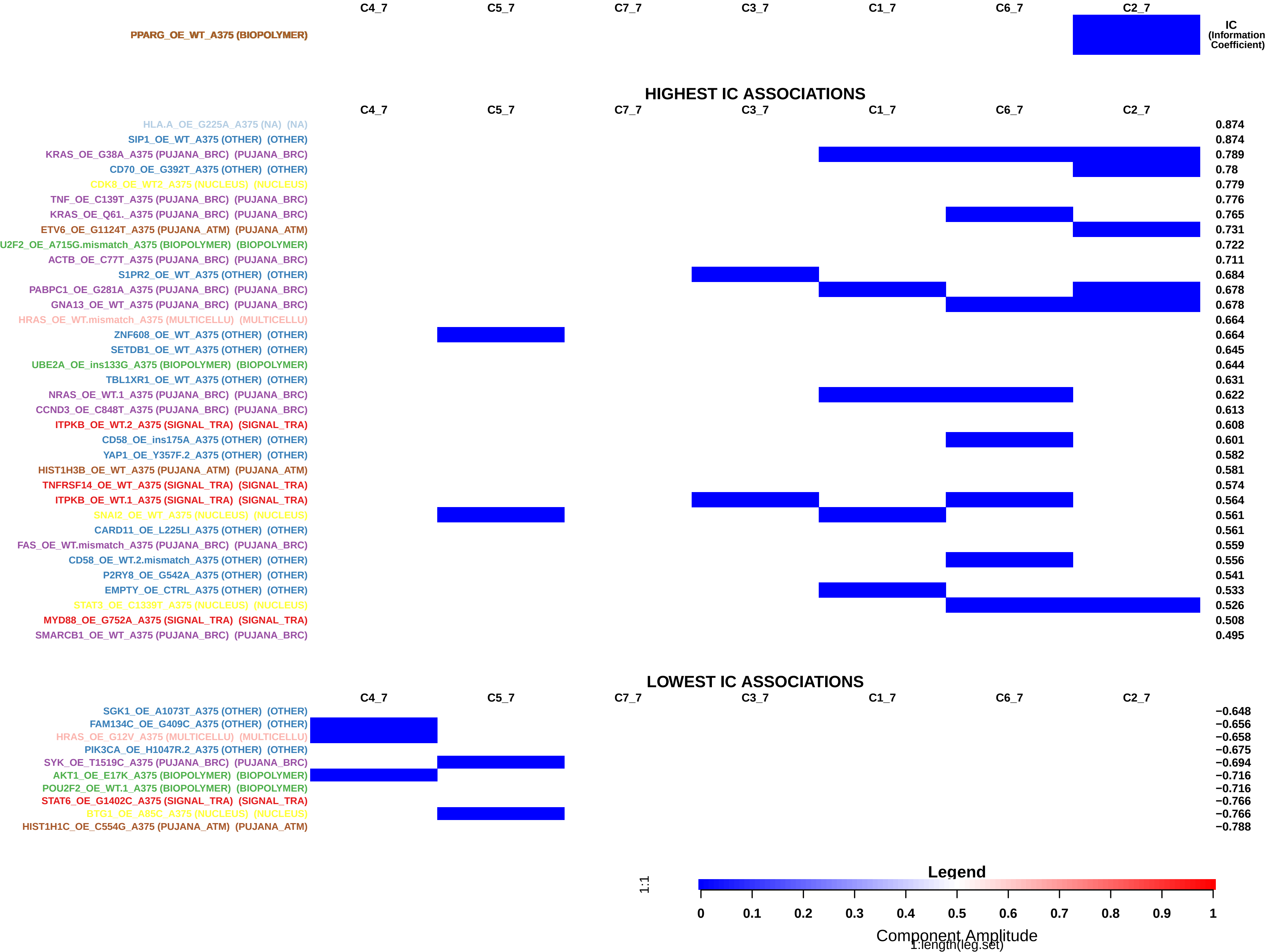



HDAC1_OE_WT_A375 (PUJANA_BRC)
C7_7
C4_7
C2_7
C6_7
C5_7
C3_7
C1_7
IC
(Information
Coefficient)
HDAC1_OE_WT_A375 (PUJANA_BRC)
HIGHEST IC ASSOCIATIONS
C7_7
C4_7
C2_7
C6_7
C5_7
C3_7
C1_7
ZNF830_OE_WT.1_A375 (OTHER) (OTHER) 0.766
HDAC1_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.765
SOCS1_OE_G374A_A375 (BIOPOLYMER) (BIOPOLYMER) 0.744
FAM5C_OE_WT_A375 (OTHER) (OTHER) 0.742
NFKBIA_OE_C126A_A375 (NUCLEUS) (NUCLEUS) 0.712
ZNF830_OE_WT.2_A375 (OTHER) (OTHER) 0.708
BTG1_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.706
ITPKB_OE_WT.1_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.681
PDGFC_OE_WT_A375 (MULTICELLU) (MULTICELLU) 0.669
UBE2A_OE_T272A_A375 (BIOPOLYMER) (BIOPOLYMER) 0.661
MEF2B_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.656
FGF10_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.649
MEF2B_OE_A170G_A375 (NUCLEUS) (NUCLEUS) 0.647
SPIB_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.645
UBE2A_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.645
GNA13_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.642
YY1_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) 0.635
PDGFC_OE_G13T_A375 (MULTICELLU) (MULTICELLU) 0.627
HIST1H1C_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.622
SNAI2_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.604
CD58_OE_WT.2.mismatch_A375 (OTHER) (OTHER) 0.593
HIST1H3B_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.577
NRAS_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) 0.568
STAT3_OE_C1339T_A375 (NUCLEUS) (NUCLEUS) 0.551
HRAS_OE_WT.mismatch_A375 (MULTICELLU) (MULTICELLU) 0.544
GRB2_OE_WT.mismatch_A375 (PUJANA_BRC) (PUJANA_BRC) 0.508
CDK8_OE_WT2_A375 (NUCLEUS) (NUCLEUS) 0.506
BMI1_OE_WT.mismatch_A375 (NUCLEUS) (NUCLEUS) 0.504
ACTB_OE_T397A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.496
HIST1H1C_OE_G266C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.495
CD58_OE_ins175A_A375 (OTHER) (OTHER) 0.491
EGFR_OE_mut.3_A375 (NUCLEUS) (NUCLEUS) 0.49
NFKBIA_OE_G33A_A375 (NUCLEUS) (NUCLEUS) 0.487
SRPX_OE_C904T_A375 (OTHER) (OTHER) 0.482
FGFR3_OE_WT_A375 (MULTICELLU) (MULTICELLU) 0.48
LOWEST IC ASSOCIATIONS
C7_7
C4_7
C2_7
C6_7
C5_7
C3_7
C1_7
HCRED_OE_CTRL_A375 (OTHER) (OTHER) −0.416
FBXO11_OE_G1799A_A375 (NUCLEUS) (NUCLEUS) −0.419
ERBB2_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) −0.428
FAM102A_OE_WT.1_A375 (OTHER) (OTHER) −0.429
STAT3_OE_C454T_A375 (NUCLEUS) (NUCLEUS) −0.431
TNFRSF14_OE_T76G_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.438
HIST1H3B_OE_G260A_A375 (PUJANA_ATM) (PUJANA_ATM) −0.443
EGFP_OE_CTRL_A375 (NUCLEUS) (NUCLEUS) −0.462
PASD1_OE_G1032T_A375 (OTHER) (OTHER) −0.476
CDK8_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) −0.498
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

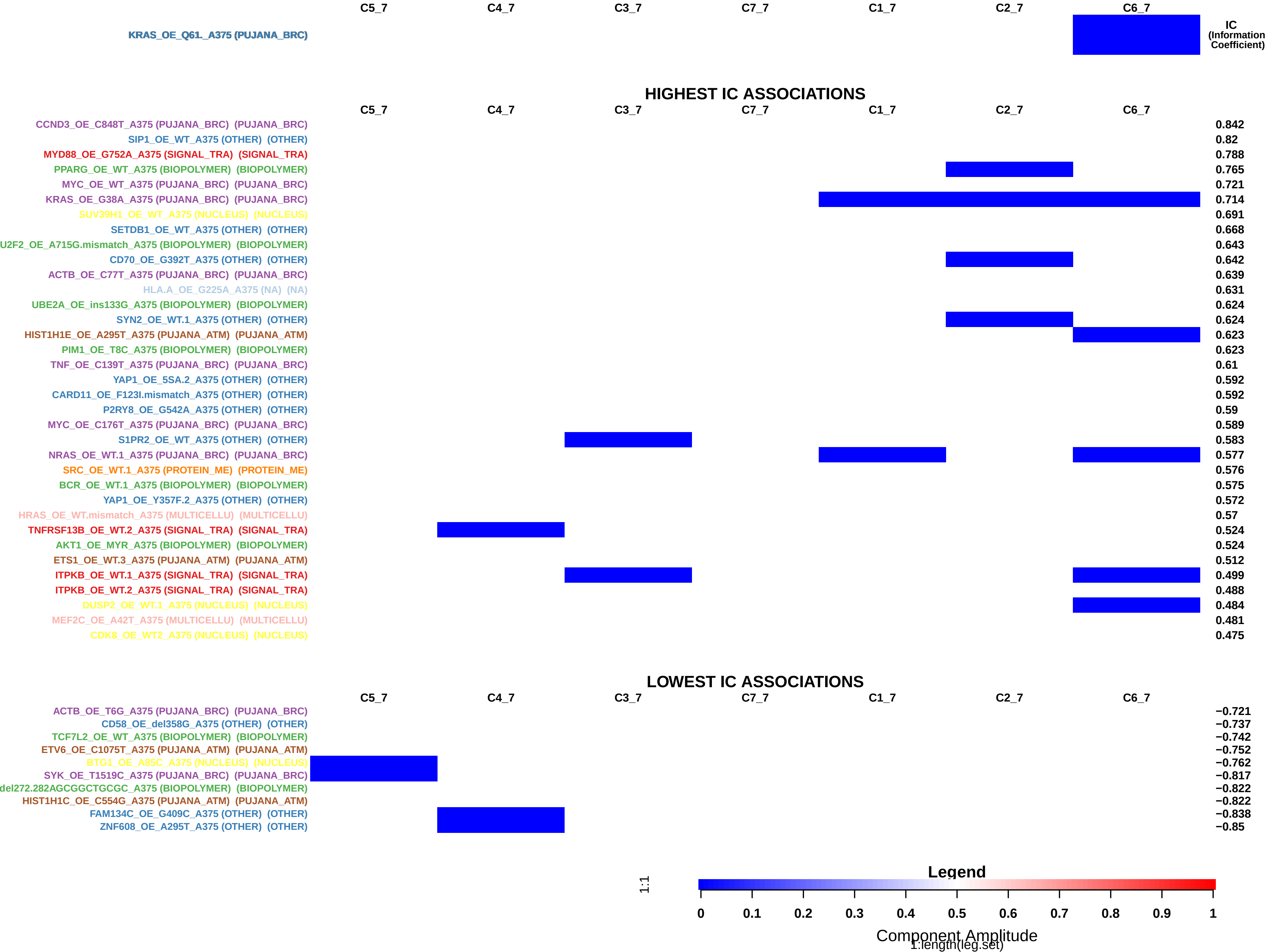
YAP1_OE_Y357F.2_A375 (OTHER)



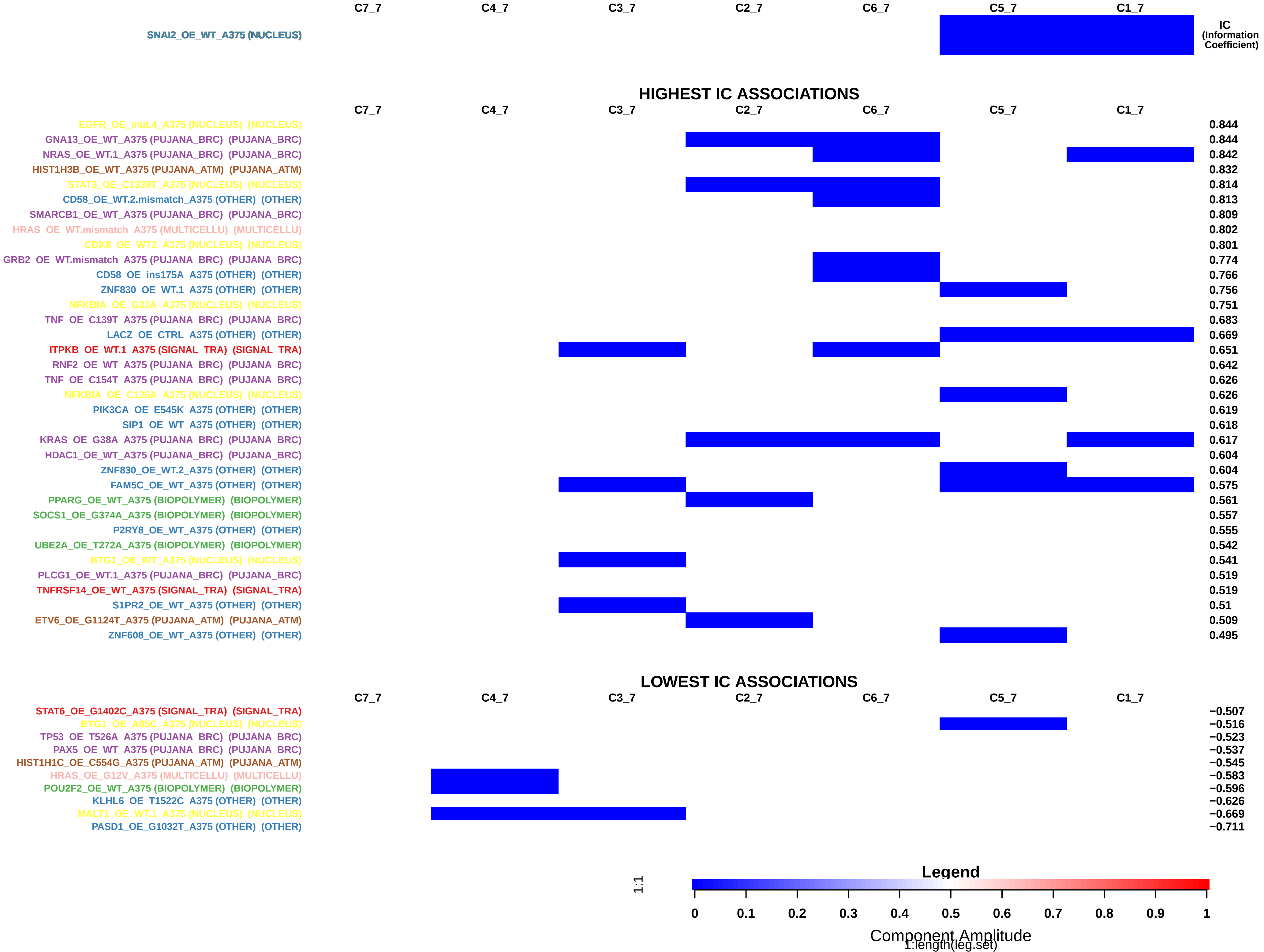
PPARG_OE_WT_A375 (BIOPOLYMER)



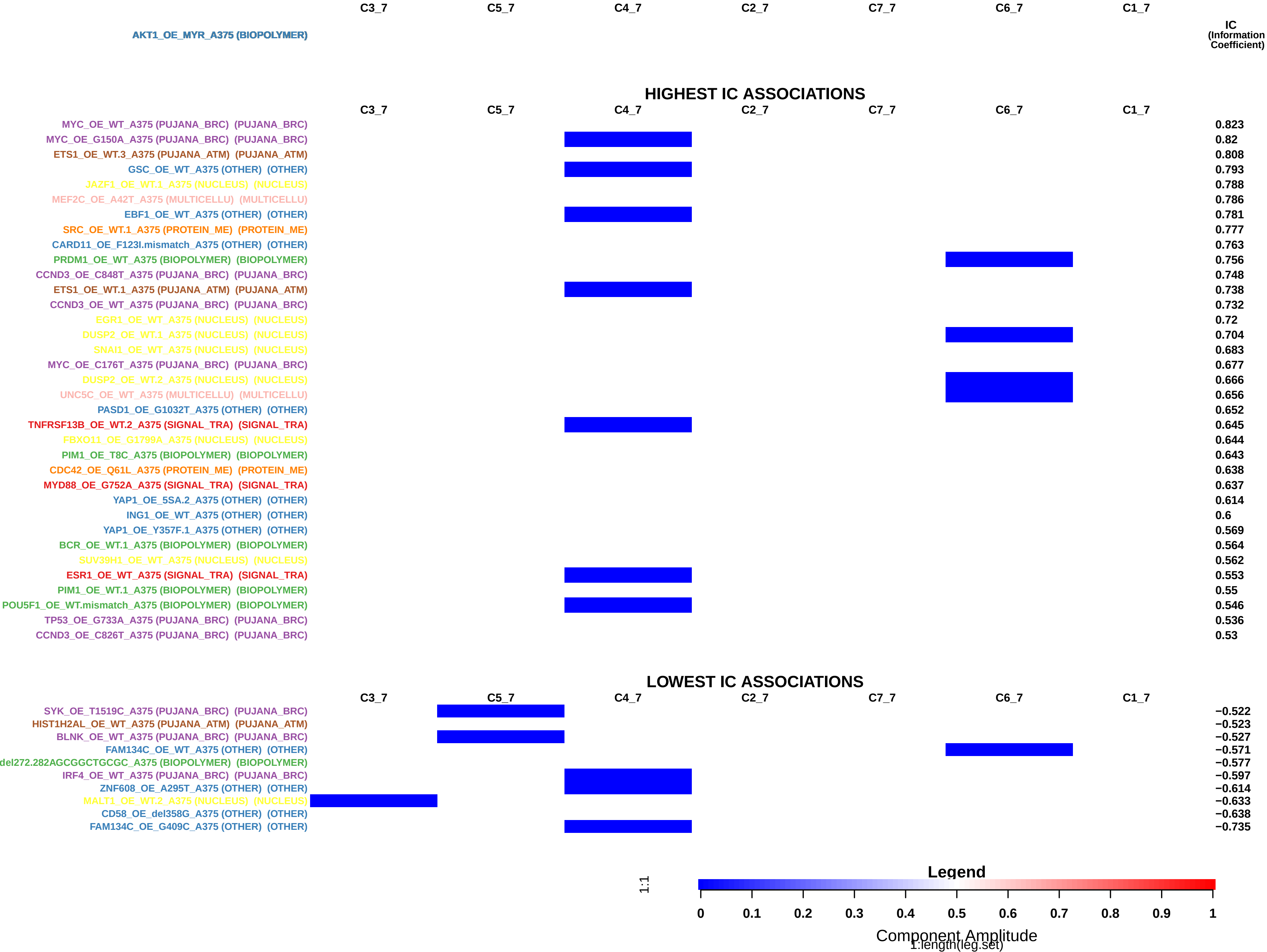
KRAS_OE_Q61._A375 (PUJANA_BRC)



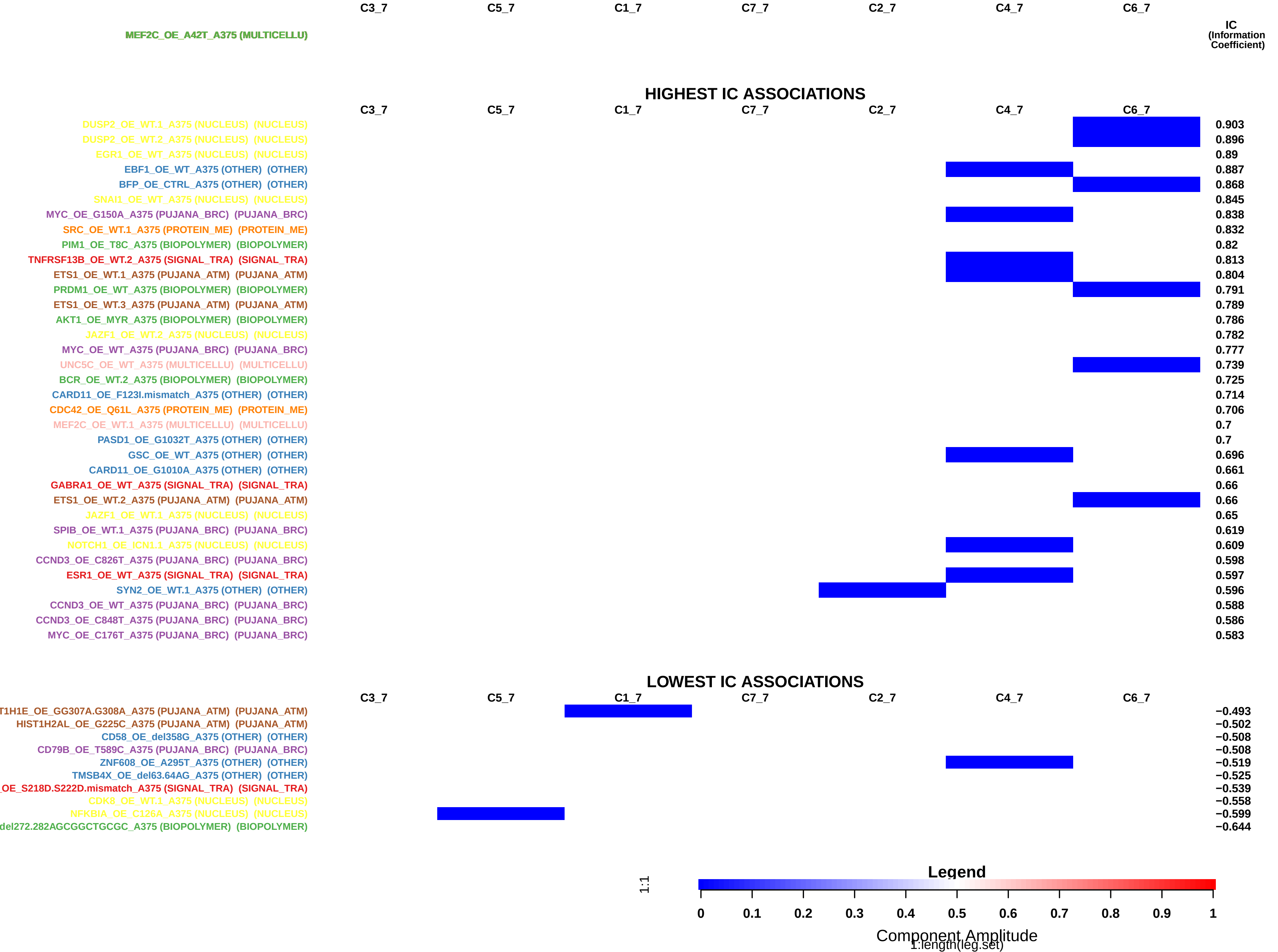
SNAI2_OE_WT_A375 (NUCLEUS)



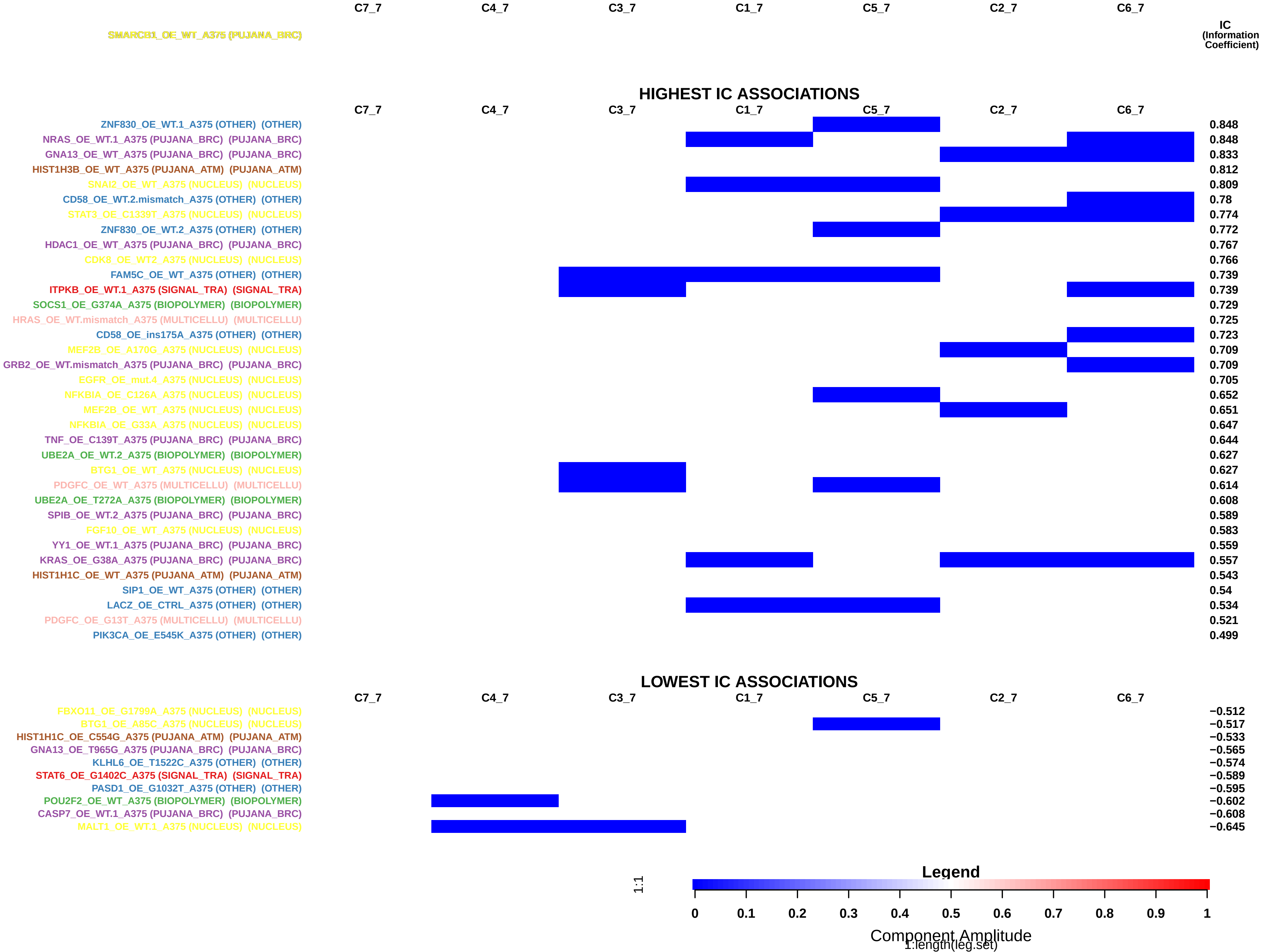
AKT1_OE_MYR_A375 (BIOPOLYMER)



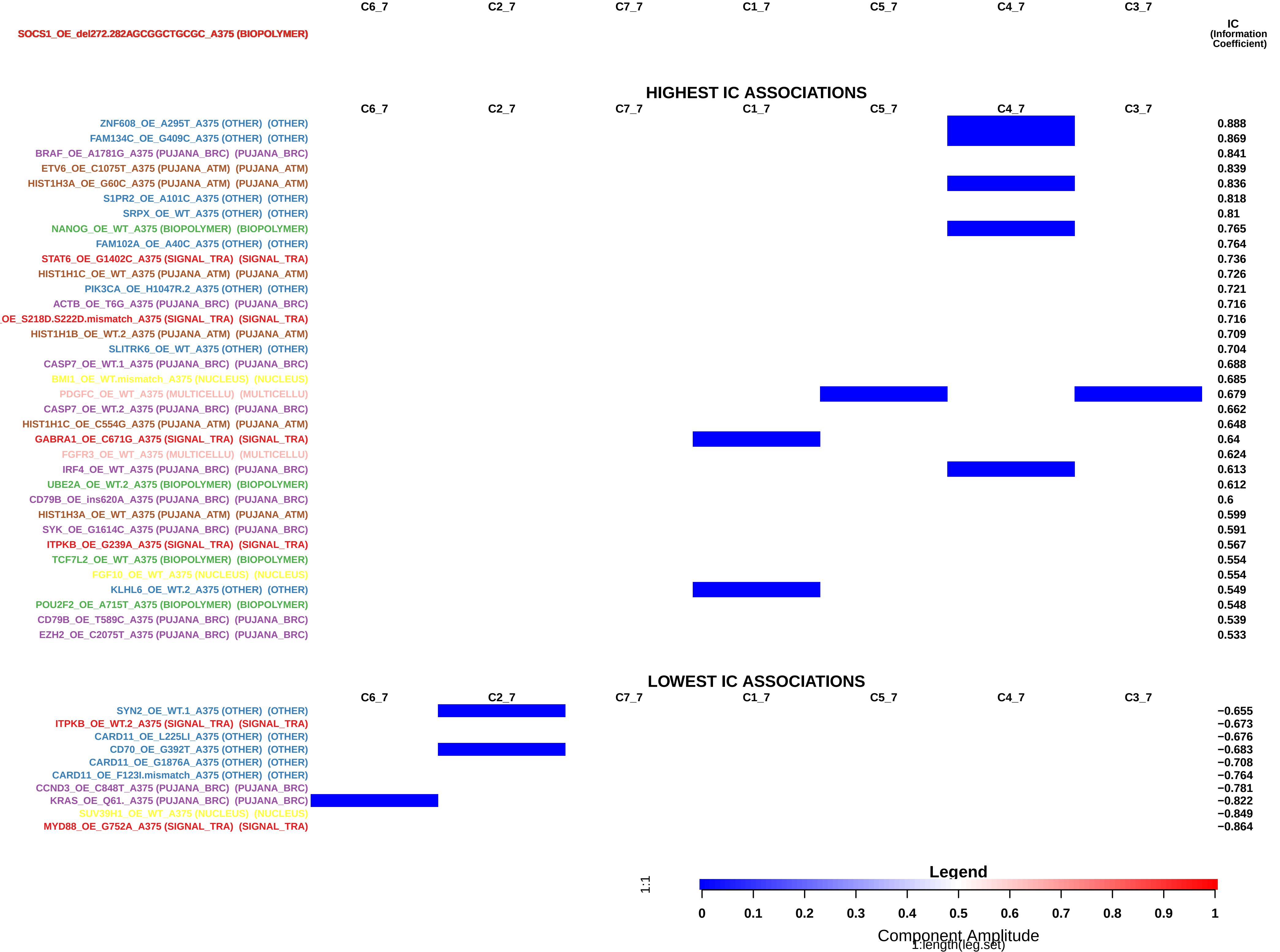
MEF2C_OE_A42T_A375 (MULTICELLU)

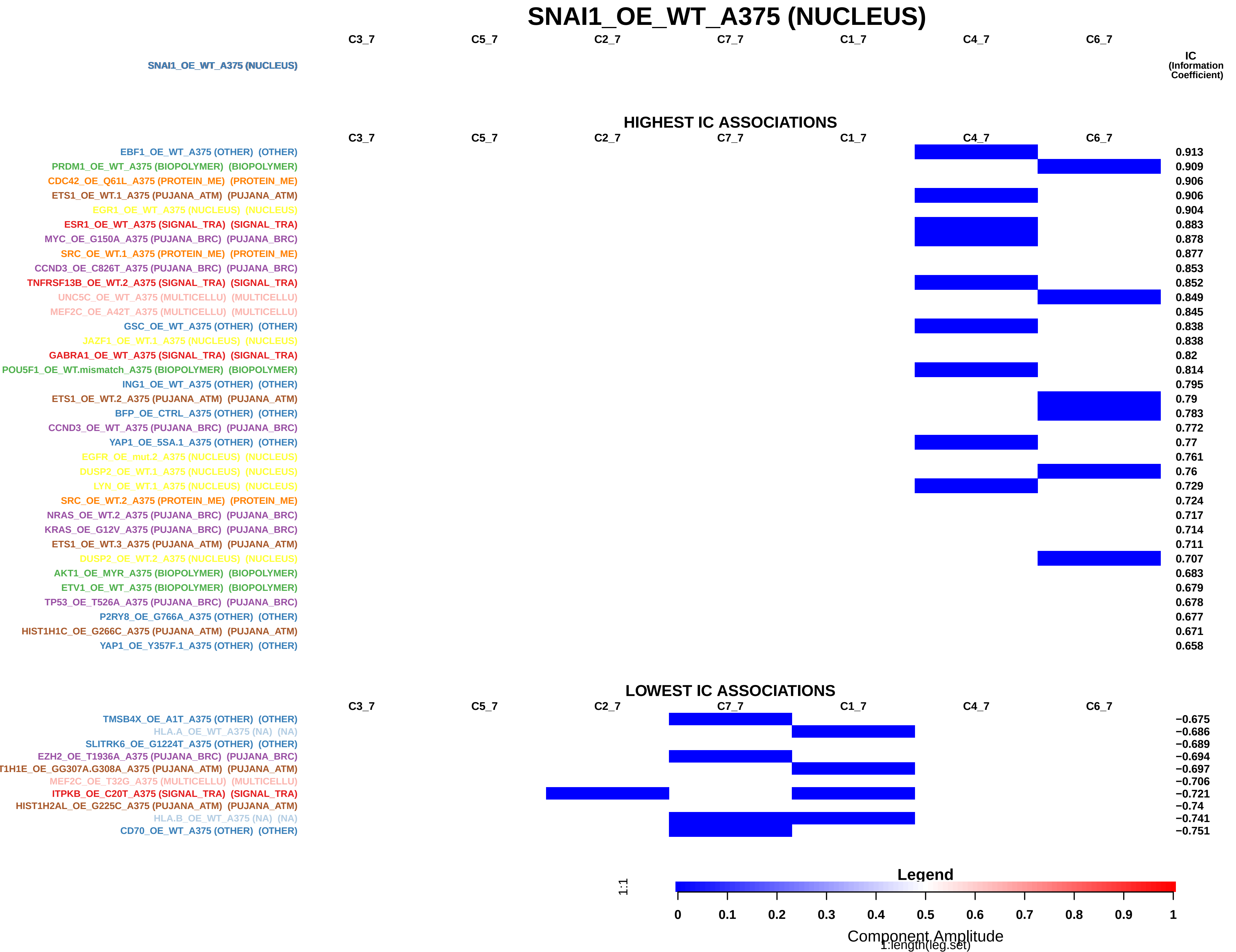


SMARCB1_OE_WT_A375 (PUJANA_BRC)

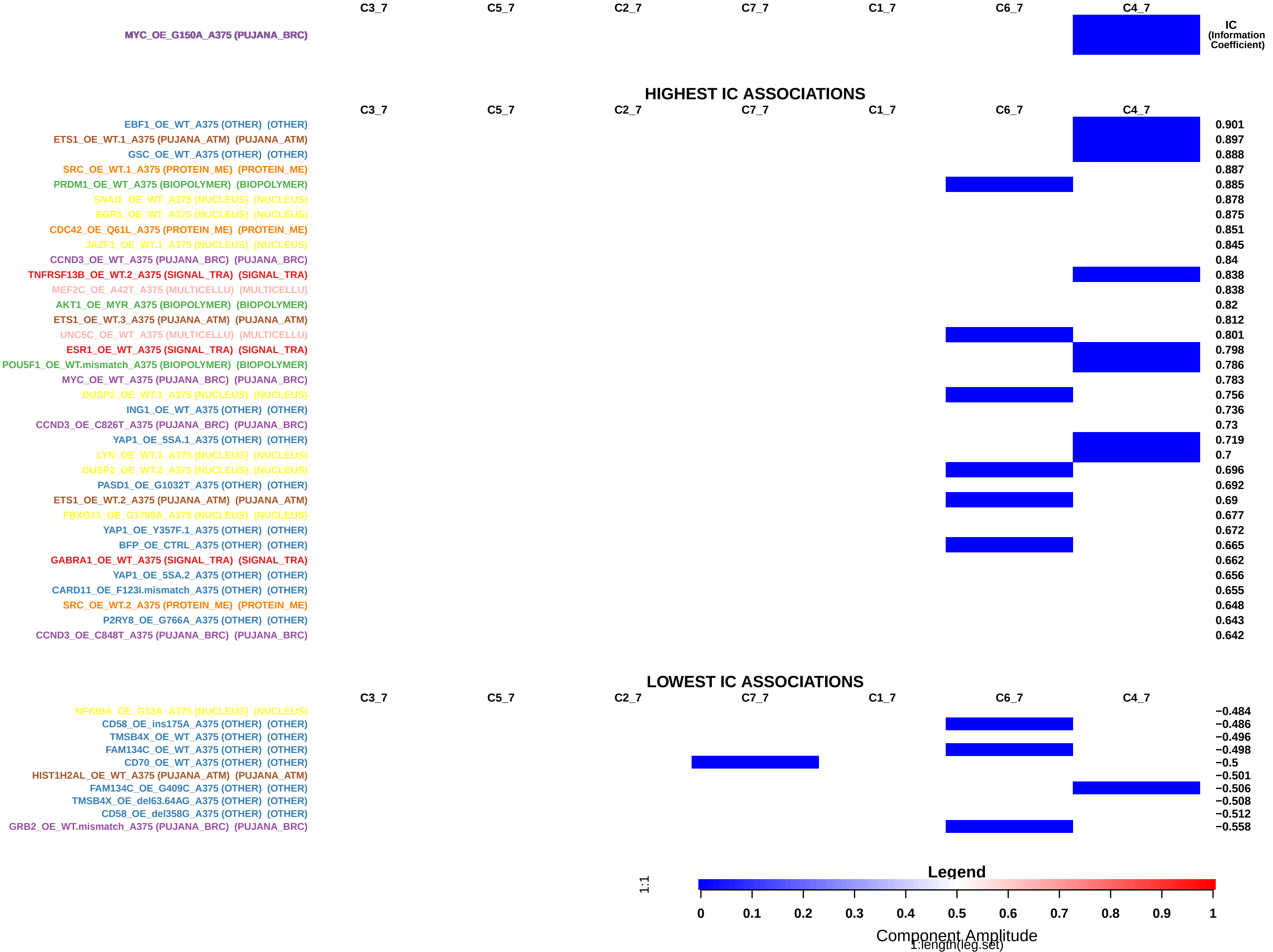


SOCS1_OE_del272.282AGCGGCTGCGC_A375 (BIOPOLYMER)

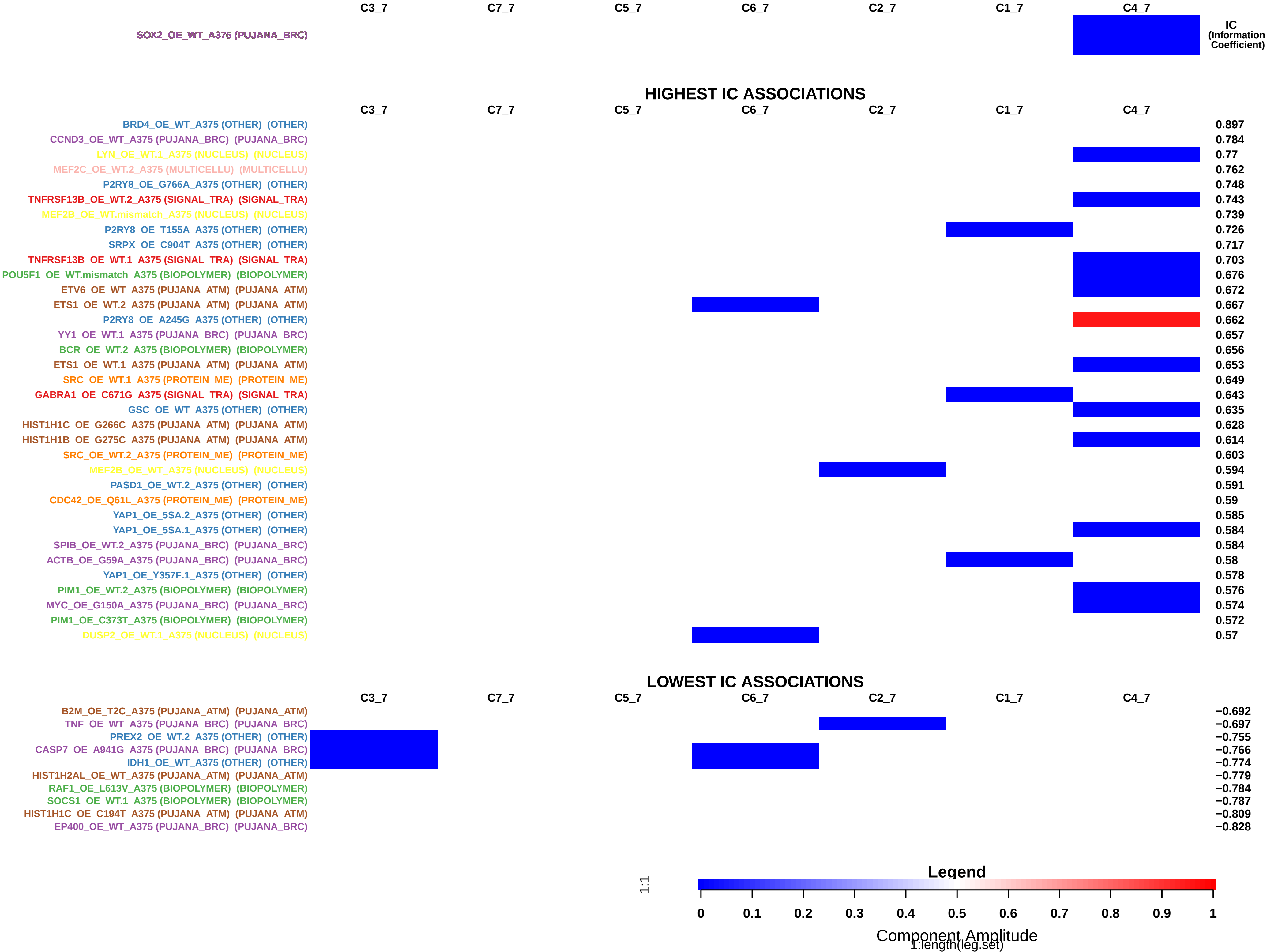



SNAI1_OE_WT_A375 (NUCLEUS)
C3_7
C5_7
C2_7
C7_7
C1_7
C4_7
C6_7
SNAI1_OE_WT_A375 (NUCLEUS)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
C3_7
C5_7
C2_7
C7_7
C1_7
C4_7
C6_7
EBF1_OE_WT_A375 (OTHER) (OTHER) 0.913
PRDM1_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.909
CDC42_OE_Q61L_A375 (PROTEIN_ME) (PROTEIN_ME) 0.906
ETS1_OE_WT.1_A375 (PUJANA_ATM) (PUJANA_ATM) 0.906
EGR1_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.904
ESR1_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.883
MYC_OE_G150A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.878
SRC_OE_WT.1_A375 (PROTEIN_ME) (PROTEIN_ME) 0.877
CCND3_OE_C826T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.853
TNFRSF13B_OE_WT.2_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.852
UNC5C_OE_WT_A375 (MULTICELLU) (MULTICELLU) 0.849
MEF2C_OE_A42T_A375 (MULTICELLU) (MULTICELLU) 0.845
GSC_OE_WT_A375 (OTHER) (OTHER) 0.838
JAZF1_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.838
GABRA1_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.82
POU5F1_OE_WT.mismatch_A375 (BIOPOLYMER) (BIOPOLYMER) 0.814
ING1_OE_WT_A375 (OTHER) (OTHER) 0.795
ETS1_OE_WT.2_A375 (PUJANA_ATM) (PUJANA_ATM) 0.79
BFP_OE_CTRL_A375 (OTHER) (OTHER) 0.783
CCND3_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.772
YAP1_OE_5SA.1_A375 (OTHER) (OTHER) 0.77
EGFR_OE_mut.2_A375 (NUCLEUS) (NUCLEUS) 0.761
DUSP2_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.76
LYN_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.729
SRC_OE_WT.2_A375 (PROTEIN_ME) (PROTEIN_ME) 0.724
NRAS_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.717
KRAS_OE_G12V_A375 (PUJANA_BRC) (PUJANA_BRC) 0.714
ETS1_OE_WT.3_A375 (PUJANA_ATM) (PUJANA_ATM) 0.711
DUSP2_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.707
AKT1_OE_MYR_A375 (BIOPOLYMER) (BIOPOLYMER) 0.683
ETV1_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.679
TP53_OE_T526A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.678
P2RY8_OE_G766A_A375 (OTHER) (OTHER) 0.677
HIST1H1C_OE_G266C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.671
YAP1_OE_Y357F.1_A375 (OTHER) (OTHER) 0.658
LOWEST IC ASSOCIATIONS
C3_7
C5_7
C2_7
C7_7
C1_7
C4_7
C6_7
TMSB4X_OE_A1T_A375 (OTHER) (OTHER) −0.675
HLA.A_OE_WT_A375 (NA) (NA) −0.686
SLITRK6_OE_G1224T_A375 (OTHER) (OTHER) −0.689
EZH2_OE_T1936A_A375 (PUJANA_BRC) (PUJANA_BRC) −0.694
T1H1E_OE_GG307A.G308A_A375 (PUJANA_ATM) (PUJANA_ATM) −0.697
MEF2C_OE_T32G_A375 (MULTICELLU) (MULTICELLU) −0.706
ITPKB_OE_C20T_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.721
HIST1H2AL_OE_G225C_A375 (PUJANA_ATM) (PUJANA_ATM) −0.74
HLA.B_OE_WT_A375 (NA) (NA) −0.741
CD70_OE_WT_A375 (OTHER) (OTHER) −0.751
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

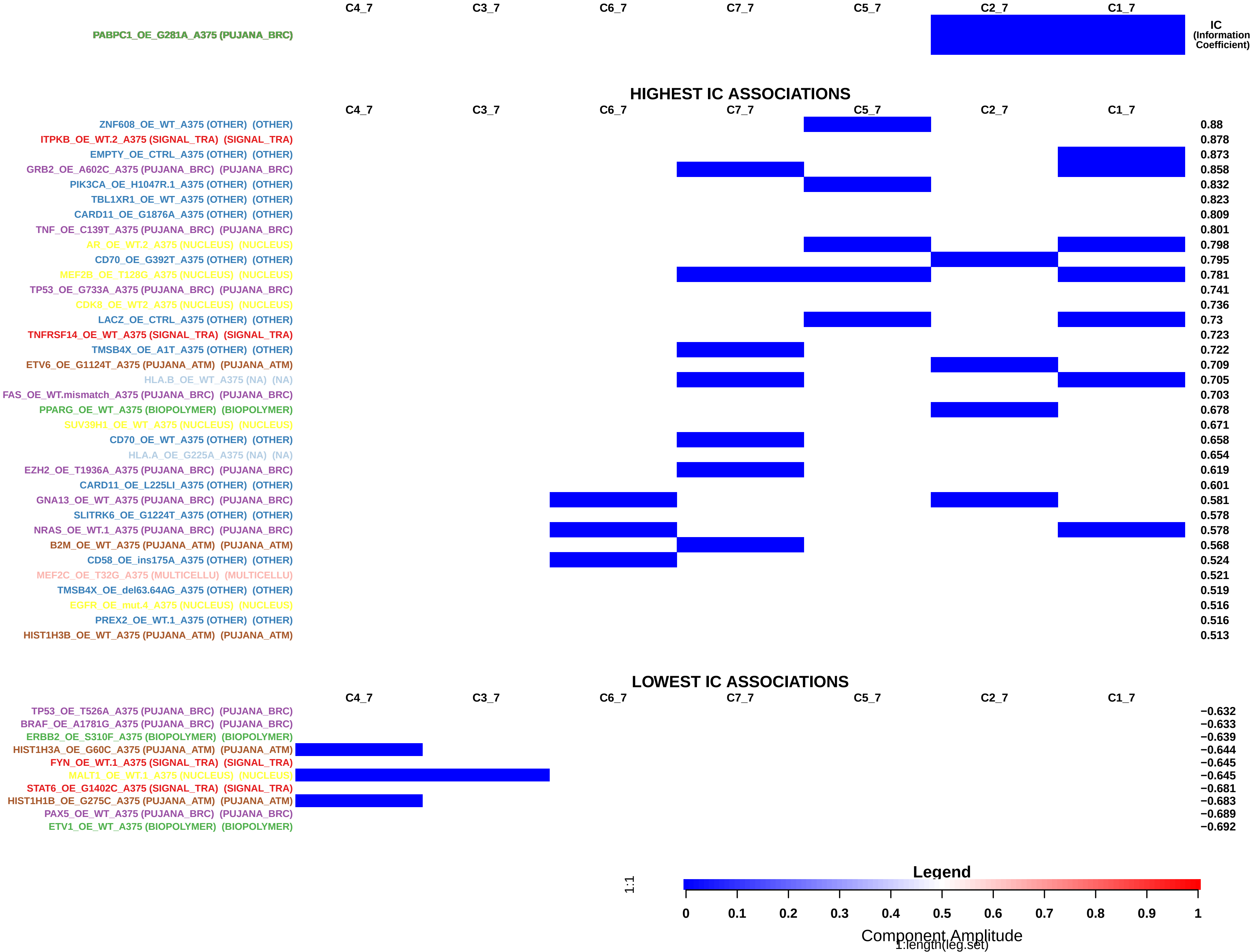
MYC_OE_G150A_A375 (PUJANA_BRC)



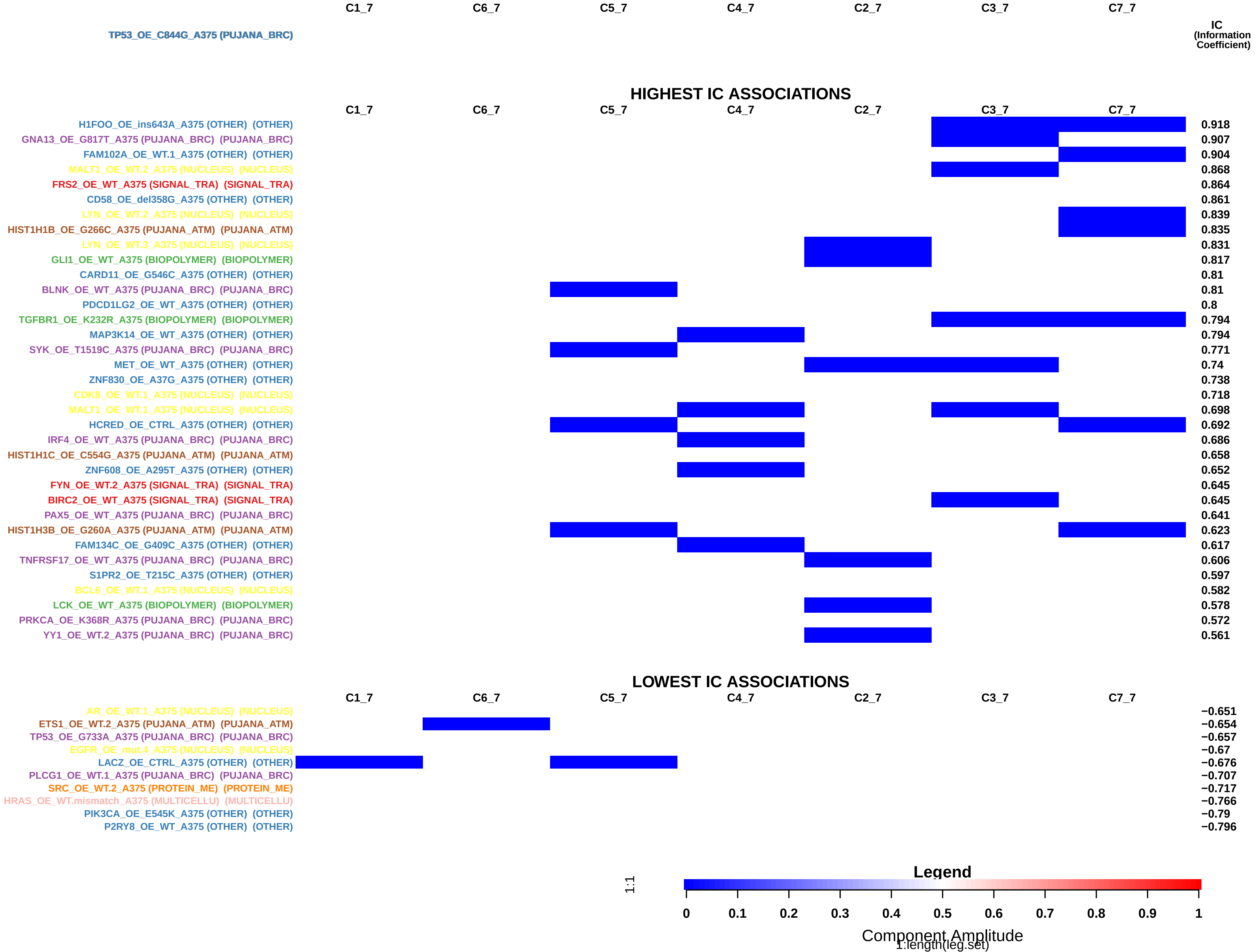
SOX2_OE_WT_A375 (PUJANA_BRC)



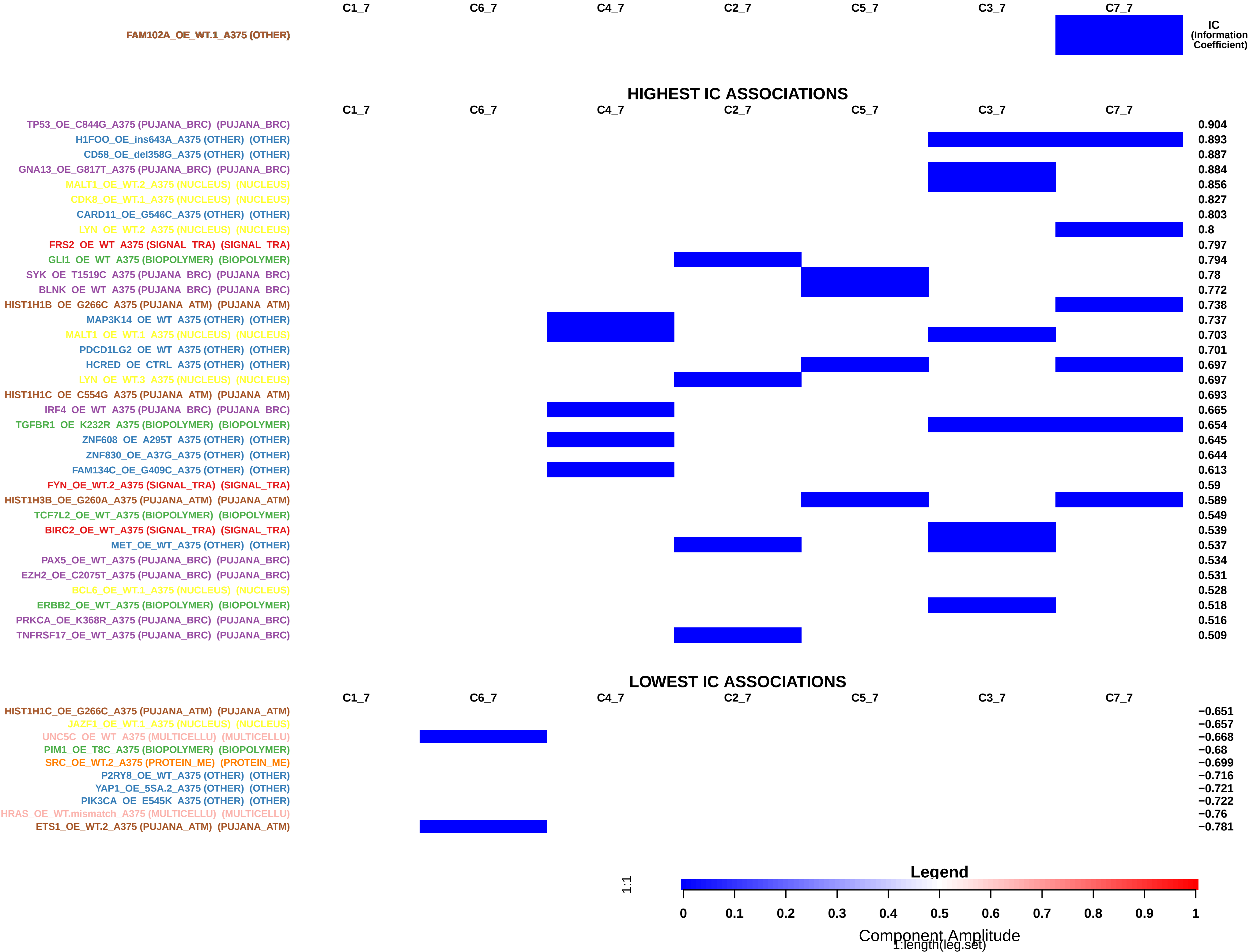
PABPC1_OE_G281A_A375 (PUJANA_BRC)



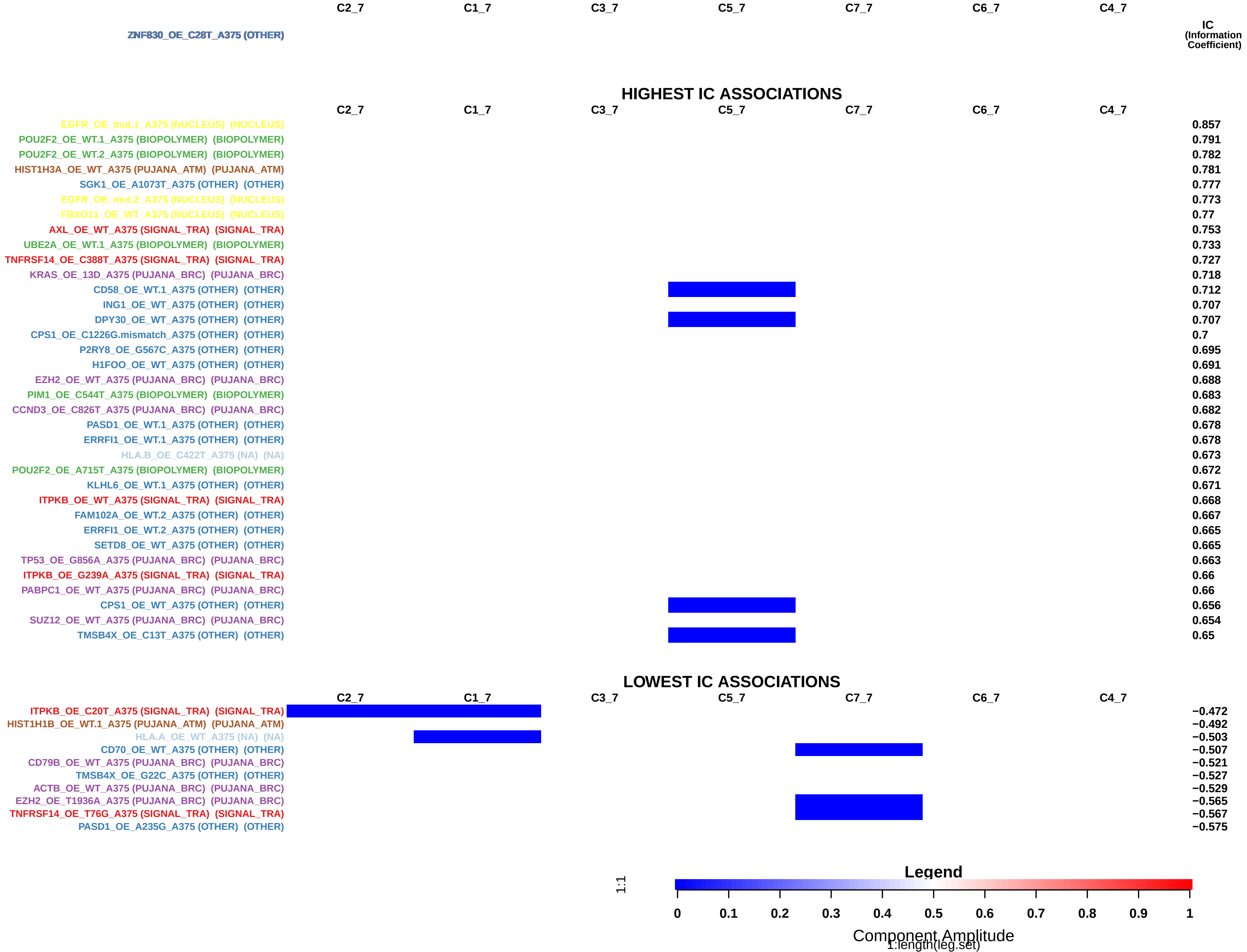
TP53_OE_C844G_A375 (PUJANA_BRC)



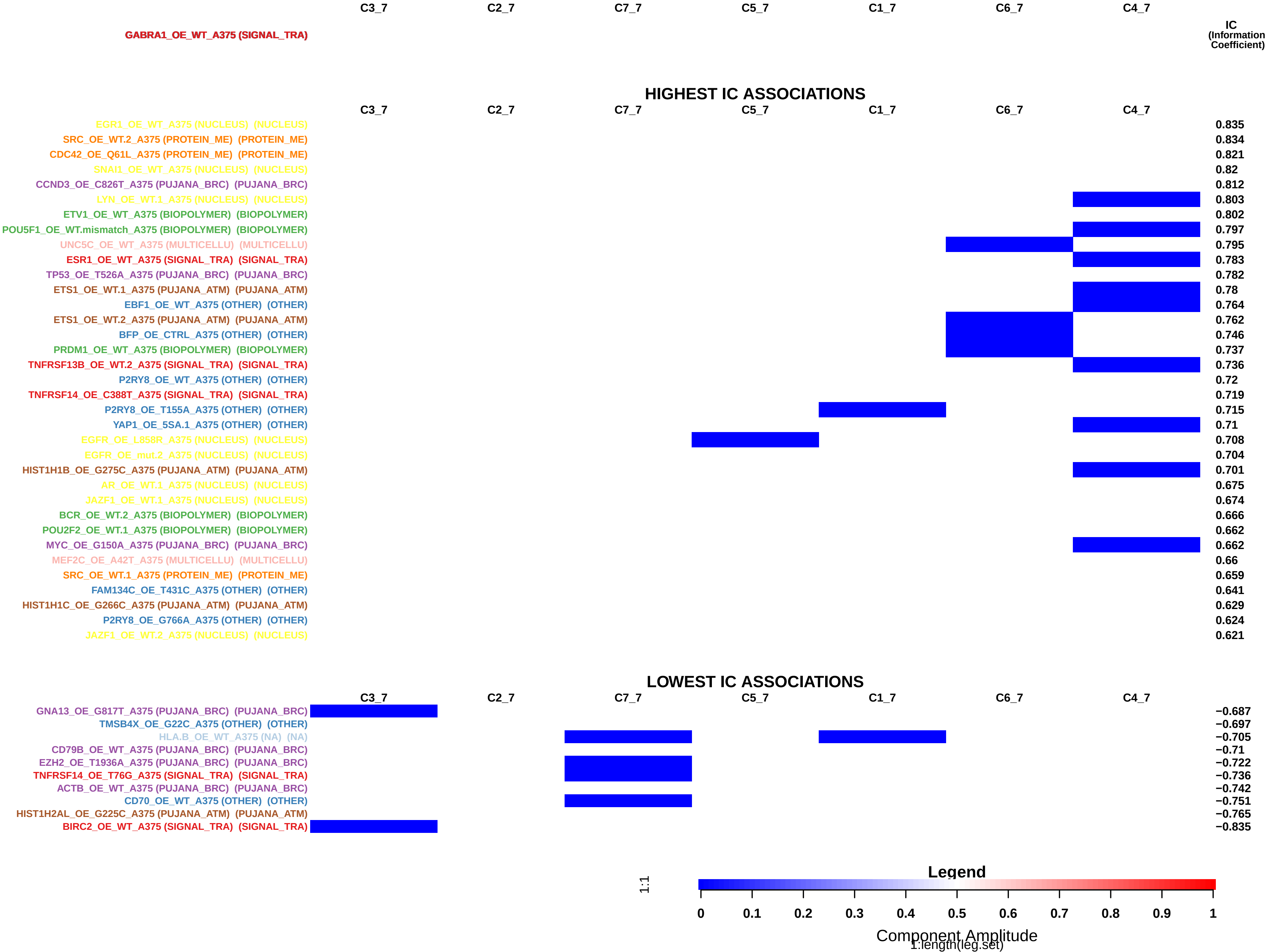
FAM102A_OE_WT.1_A375 (OTHER)



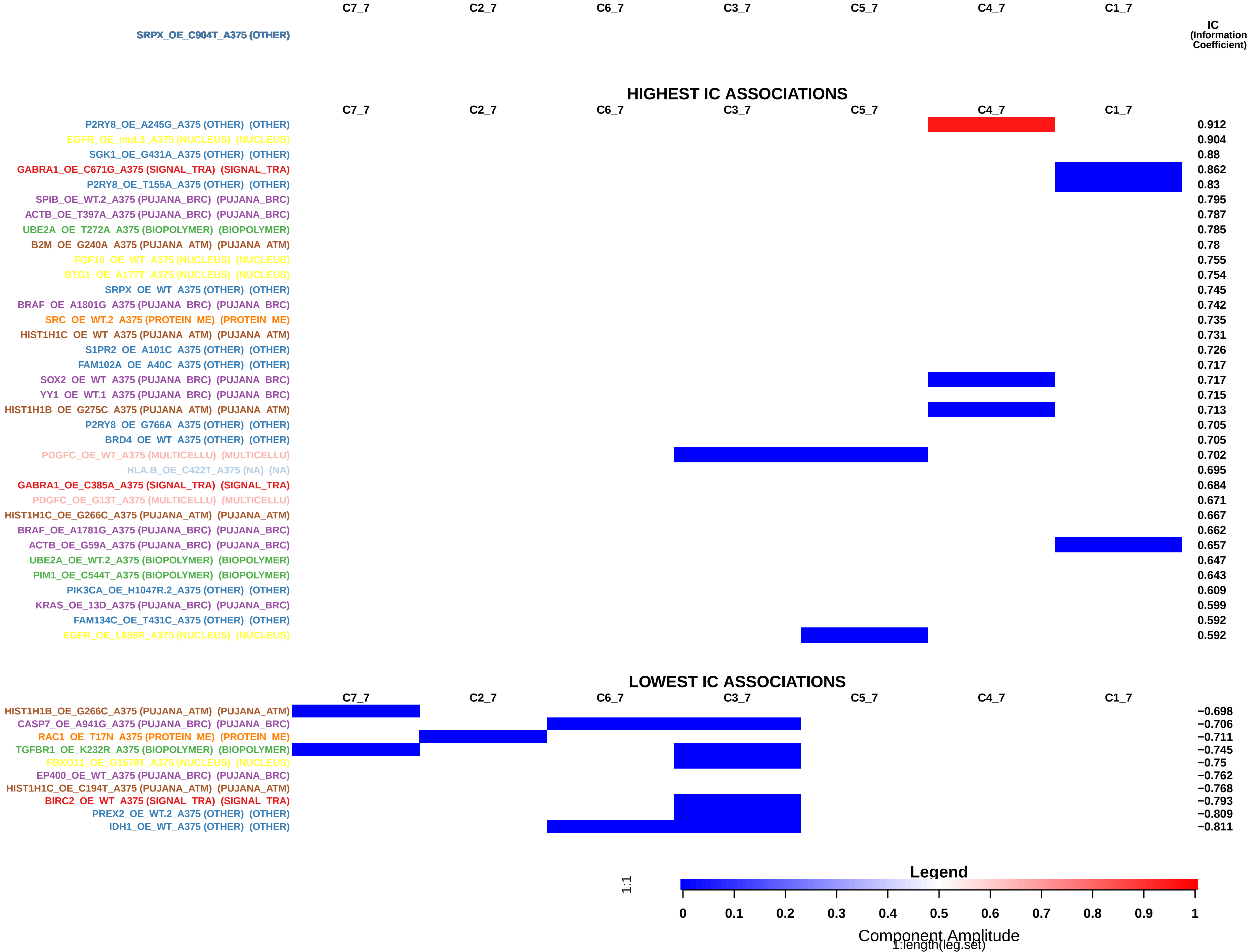
ZNF830_OE_C28T_A375 (OTHER)



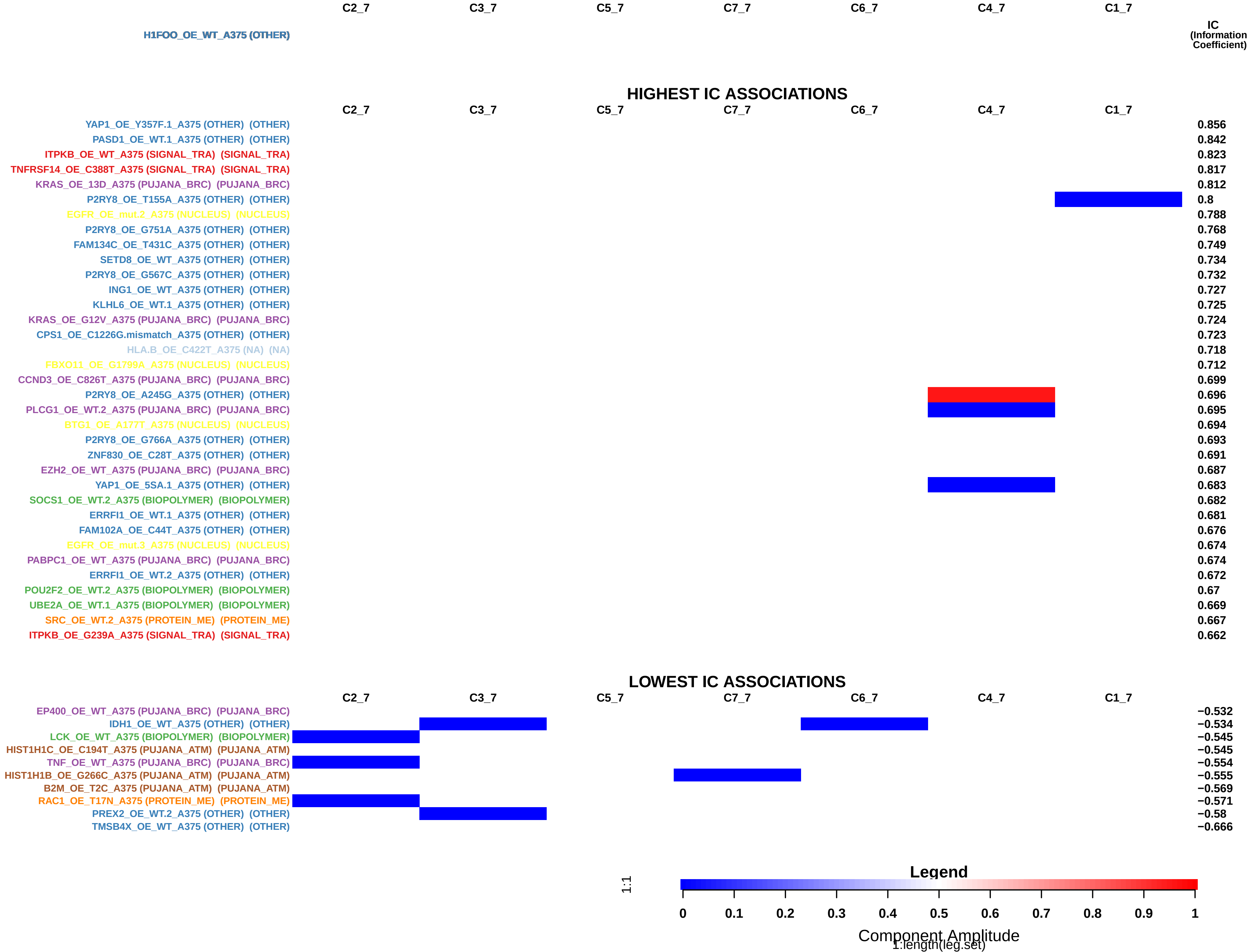
GABRA1_OE_WT_A375 (SIGNAL_TRA)



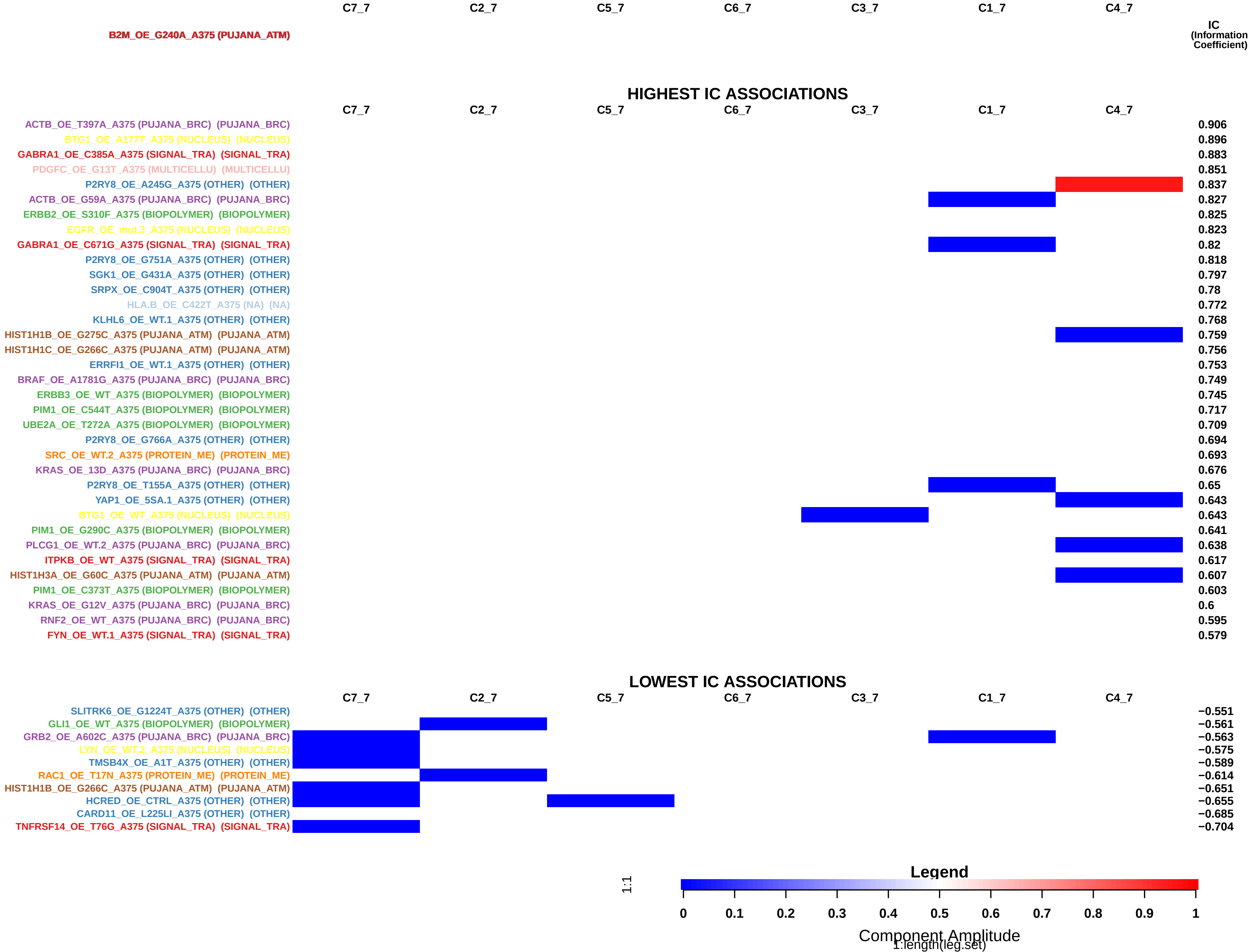
SRPX_OE_C904T_A375 (OTHER)

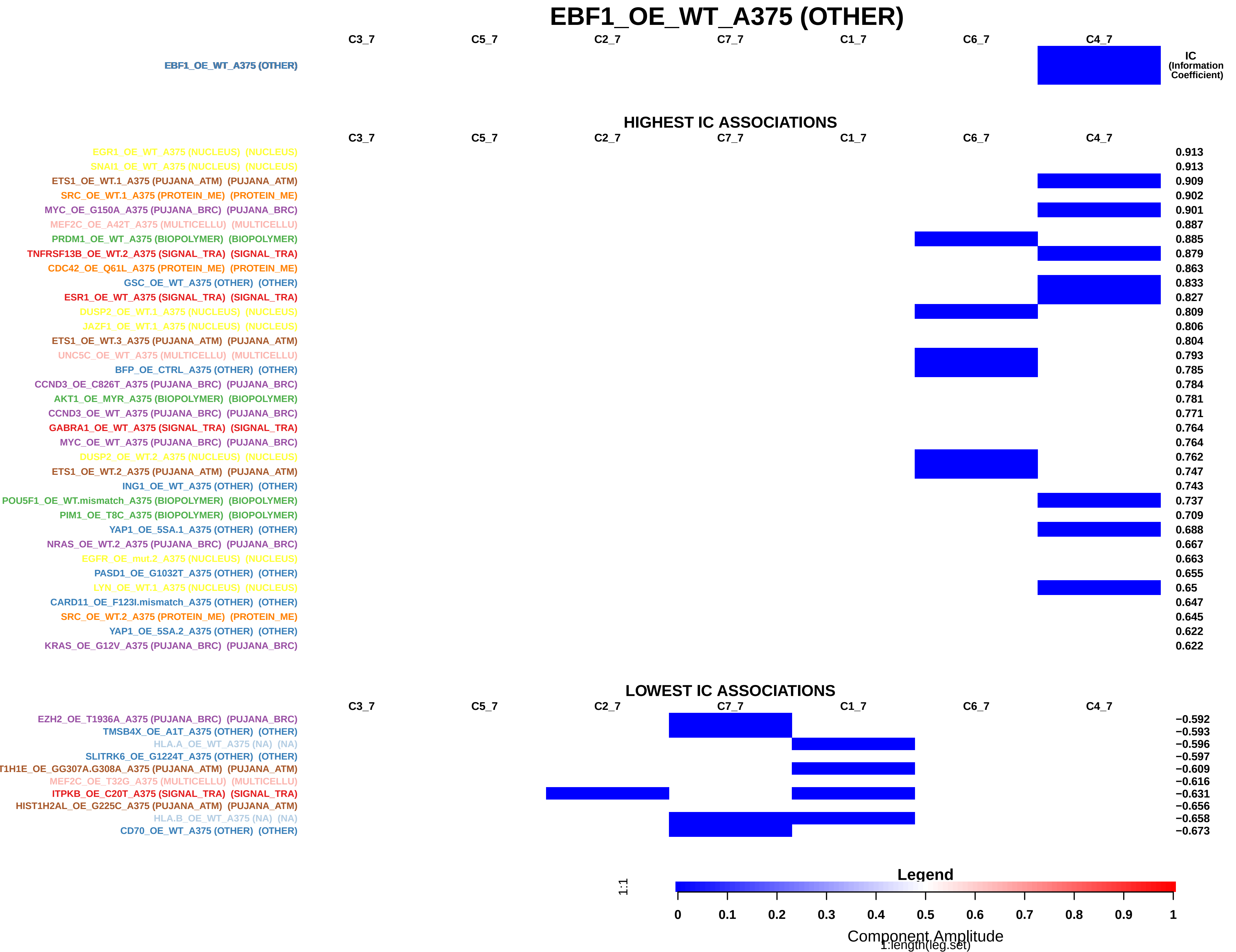


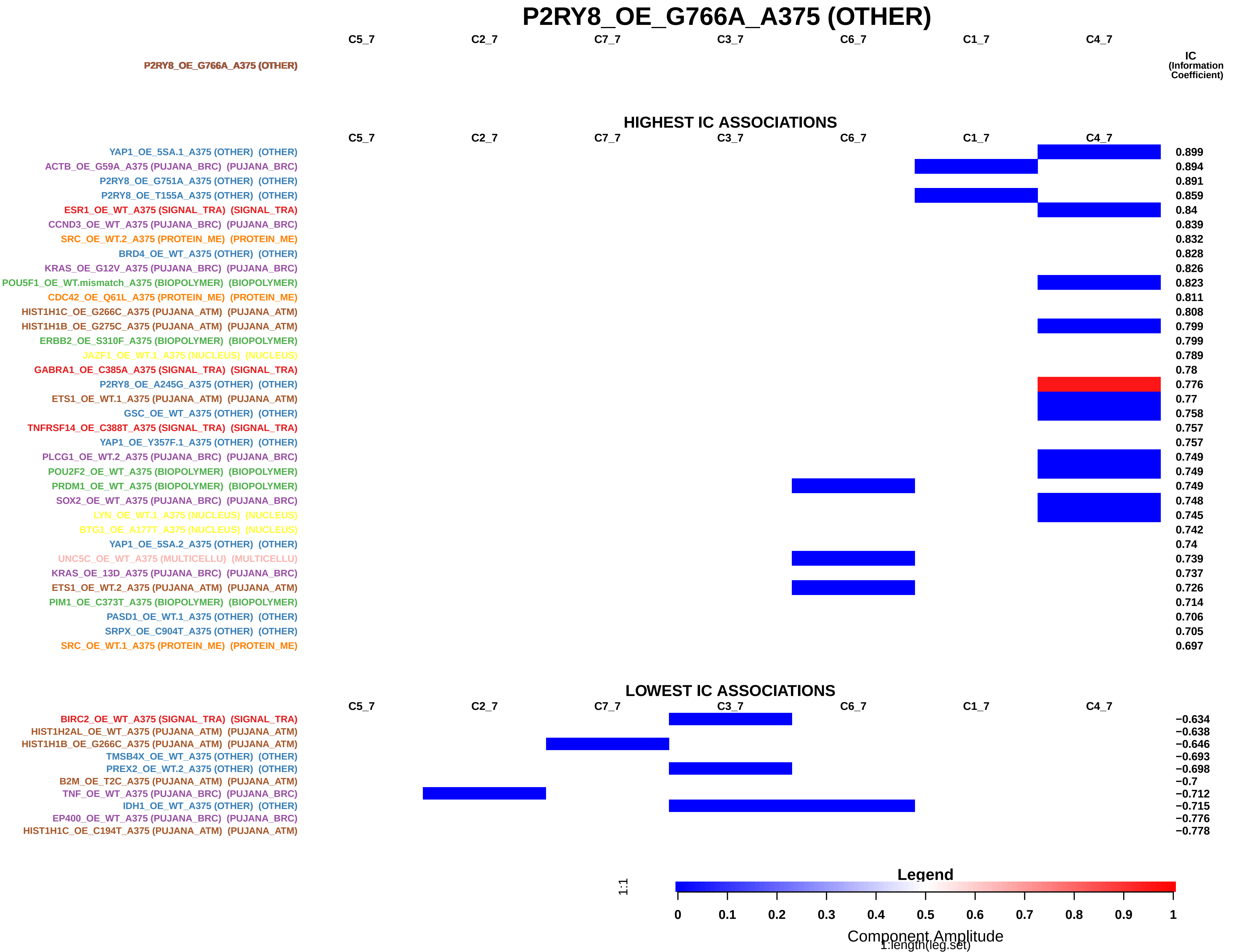
H1FOO_OE_WT_A375 (OTHER)



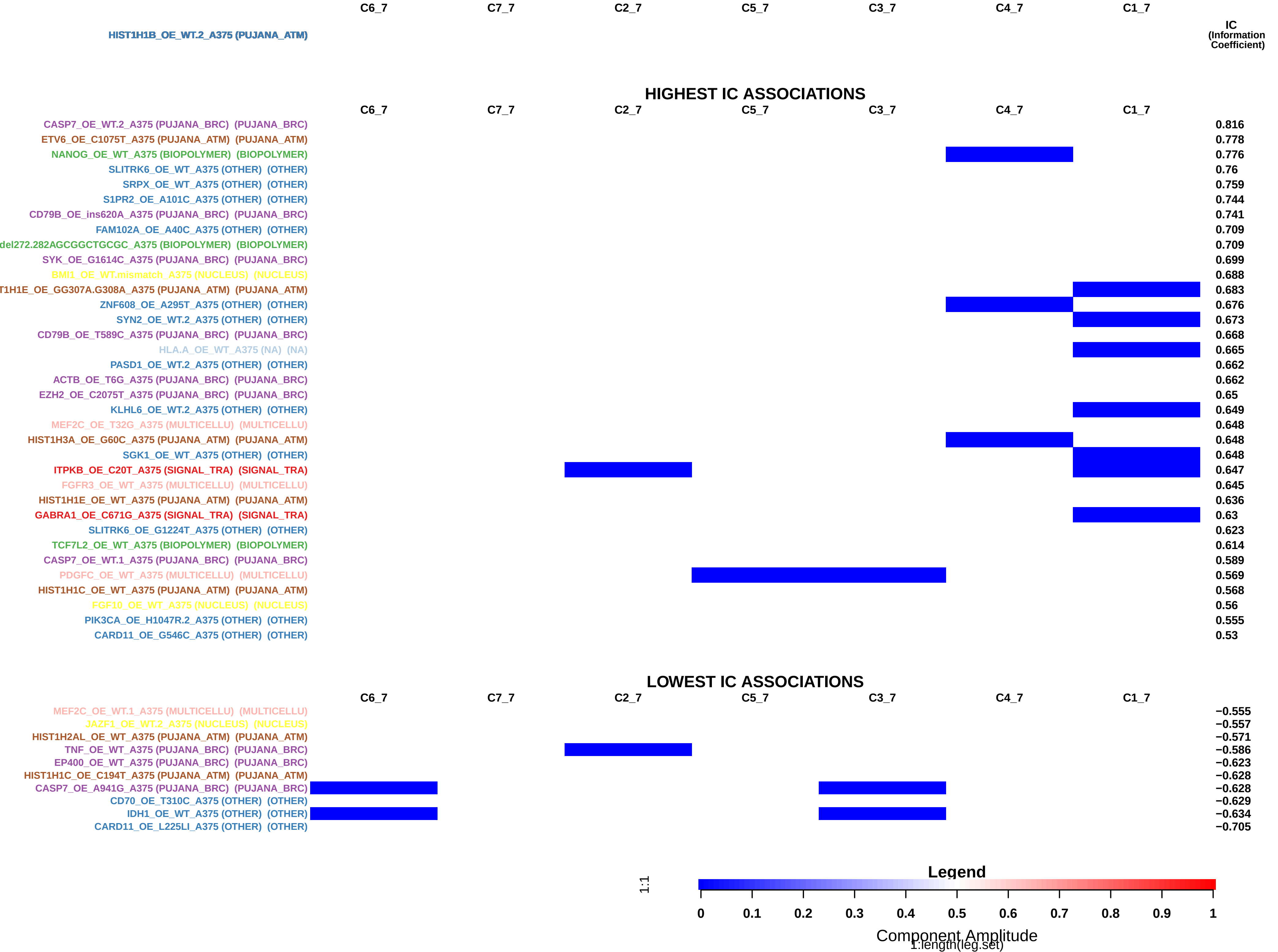
B2M_OE_G240A_A375 (PUJANA_ATM)



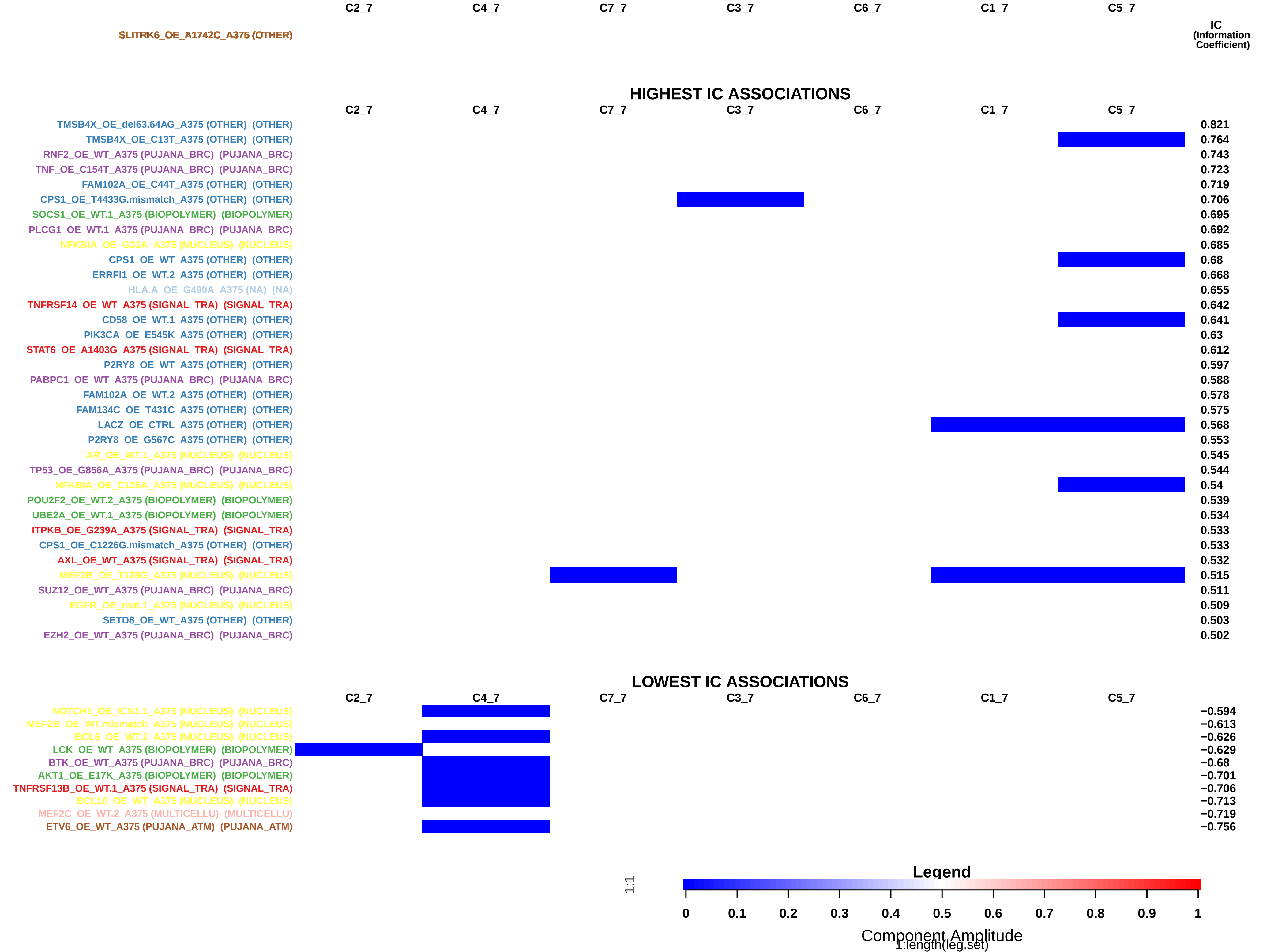

EBF1_OE_WT_A375 (OTHER)
C3_7
C5_7
C2_7
C7_7
C1_7
C6_7
C4_7
EBF1_OE_WT_A375 (OTHER)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
C3_7
C5_7
C2_7
C7_7
C1_7
C6_7
C4_7
EGR1_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.913
SNAI1_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.913
ETS1_OE_WT.1_A375 (PUJANA_ATM) (PUJANA_ATM) 0.909
SRC_OE_WT.1_A375 (PROTEIN_ME) (PROTEIN_ME) 0.902
MYC_OE_G150A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.901
MEF2C_OE_A42T_A375 (MULTICELLU) (MULTICELLU) 0.887
PRDM1_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.885
TNFRSF13B_OE_WT.2_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.879
CDC42_OE_Q61L_A375 (PROTEIN_ME) (PROTEIN_ME) 0.863
GSC_OE_WT_A375 (OTHER) (OTHER) 0.833
ESR1_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.827
DUSP2_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.809
JAZF1_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.806
ETS1_OE_WT.3_A375 (PUJANA_ATM) (PUJANA_ATM) 0.804
UNC5C_OE_WT_A375 (MULTICELLU) (MULTICELLU) 0.793
BFP_OE_CTRL_A375 (OTHER) (OTHER) 0.785
CCND3_OE_C826T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.784
AKT1_OE_MYR_A375 (BIOPOLYMER) (BIOPOLYMER) 0.781
CCND3_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.771
GABRA1_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.764
MYC_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.764
DUSP2_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.762
ETS1_OE_WT.2_A375 (PUJANA_ATM) (PUJANA_ATM) 0.747
ING1_OE_WT_A375 (OTHER) (OTHER) 0.743
POU5F1_OE_WT.mismatch_A375 (BIOPOLYMER) (BIOPOLYMER) 0.737
PIM1_OE_T8C_A375 (BIOPOLYMER) (BIOPOLYMER) 0.709
YAP1_OE_5SA.1_A375 (OTHER) (OTHER) 0.688
NRAS_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.667
EGFR_OE_mut.2_A375 (NUCLEUS) (NUCLEUS) 0.663
PASD1_OE_G1032T_A375 (OTHER) (OTHER) 0.655
LYN_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.65
CARD11_OE_F123I.mismatch_A375 (OTHER) (OTHER) 0.647
SRC_OE_WT.2_A375 (PROTEIN_ME) (PROTEIN_ME) 0.645
YAP1_OE_5SA.2_A375 (OTHER) (OTHER) 0.622
KRAS_OE_G12V_A375 (PUJANA_BRC) (PUJANA_BRC) 0.622
LOWEST IC ASSOCIATIONS
C3_7
C5_7
C2_7
C7_7
C1_7
C6_7
C4_7
EZH2_OE_T1936A_A375 (PUJANA_BRC) (PUJANA_BRC) −0.592
TMSB4X_OE_A1T_A375 (OTHER) (OTHER) −0.593
HLA.A_OE_WT_A375 (NA) (NA) −0.596
SLITRK6_OE_G1224T_A375 (OTHER) (OTHER) −0.597
T1H1E_OE_GG307A.G308A_A375 (PUJANA_ATM) (PUJANA_ATM) −0.609
MEF2C_OE_T32G_A375 (MULTICELLU) (MULTICELLU) −0.616
ITPKB_OE_C20T_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.631
HIST1H2AL_OE_G225C_A375 (PUJANA_ATM) (PUJANA_ATM) −0.656
HLA.B_OE_WT_A375 (NA) (NA) −0.658
CD70_OE_WT_A375 (OTHER) (OTHER) −0.673
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)


P2RY8_OE_G766A_A375 (OTHER)
C5_7
C2_7
C7_7
C3_7
C6_7
C1_7
C4_7
P2RY8_OE_G766A_A375 (OTHER)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
YAP1_OE_5SA.1_A375 (OTHER) (OTHER) 0.899
ACTB_OE_G59A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.894
P2RY8_OE_G751A_A375 (OTHER) (OTHER) 0.891
P2RY8_OE_T155A_A375 (OTHER) (OTHER) 0.859
ESR1_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.84
CCND3_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.839
SRC_OE_WT.2_A375 (PROTEIN_ME) (PROTEIN_ME) 0.832
BRD4_OE_WT_A375 (OTHER) (OTHER) 0.828
KRAS_OE_G12V_A375 (PUJANA_BRC) (PUJANA_BRC) 0.826
POU5F1_OE_WT.mismatch_A375 (BIOPOLYMER) (BIOPOLYMER) 0.823
CDC42_OE_Q61L_A375 (PROTEIN_ME) (PROTEIN_ME) 0.811
HIST1H1C_OE_G266C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.808
HIST1H1B_OE_G275C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.799
ERBB2_OE_S310F_A375 (BIOPOLYMER) (BIOPOLYMER) 0.799
JAZF1_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.789
GABRA1_OE_C385A_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.78
P2RY8_OE_A245G_A375 (OTHER) (OTHER) 0.776
ETS1_OE_WT.1_A375 (PUJANA_ATM) (PUJANA_ATM) 0.77
GSC_OE_WT_A375 (OTHER) (OTHER) 0.758
TNFRSF14_OE_C388T_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.757
YAP1_OE_Y357F.1_A375 (OTHER) (OTHER) 0.757
PLCG1_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.749
POU2F2_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.749
PRDM1_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.749
SOX2_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.748
LYN_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.745
BTG1_OE_A177T_A375 (NUCLEUS) (NUCLEUS) 0.742
YAP1_OE_5SA.2_A375 (OTHER) (OTHER) 0.74
UNC5C_OE_WT_A375 (MULTICELLU) (MULTICELLU) 0.739
KRAS_OE_13D_A375 (PUJANA_BRC) (PUJANA_BRC) 0.737
ETS1_OE_WT.2_A375 (PUJANA_ATM) (PUJANA_ATM) 0.726
PIM1_OE_C373T_A375 (BIOPOLYMER) (BIOPOLYMER) 0.714
PASD1_OE_WT.1_A375 (OTHER) (OTHER) 0.706
SRPX_OE_C904T_A375 (OTHER) (OTHER) 0.705
SRC_OE_WT.1_A375 (PROTEIN_ME) (PROTEIN_ME) 0.697
LOWEST IC ASSOCIATIONS
BIRC2_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.634
HIST1H2AL_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) −0.638
HIST1H1B_OE_G266C_A375 (PUJANA_ATM) (PUJANA_ATM) −0.646
TMSB4X_OE_WT_A375 (OTHER) (OTHER) −0.693
PREX2_OE_WT.2_A375 (OTHER) (OTHER) −0.698
B2M_OE_T2C_A375 (PUJANA_ATM) (PUJANA_ATM) −0.7
TNF_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) −0.712
IDH1_OE_WT_A375 (OTHER) (OTHER) −0.715
EP400_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) −0.776
HIST1H1C_OE_C194T_A375 (PUJANA_ATM) (PUJANA_ATM) −0.778
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

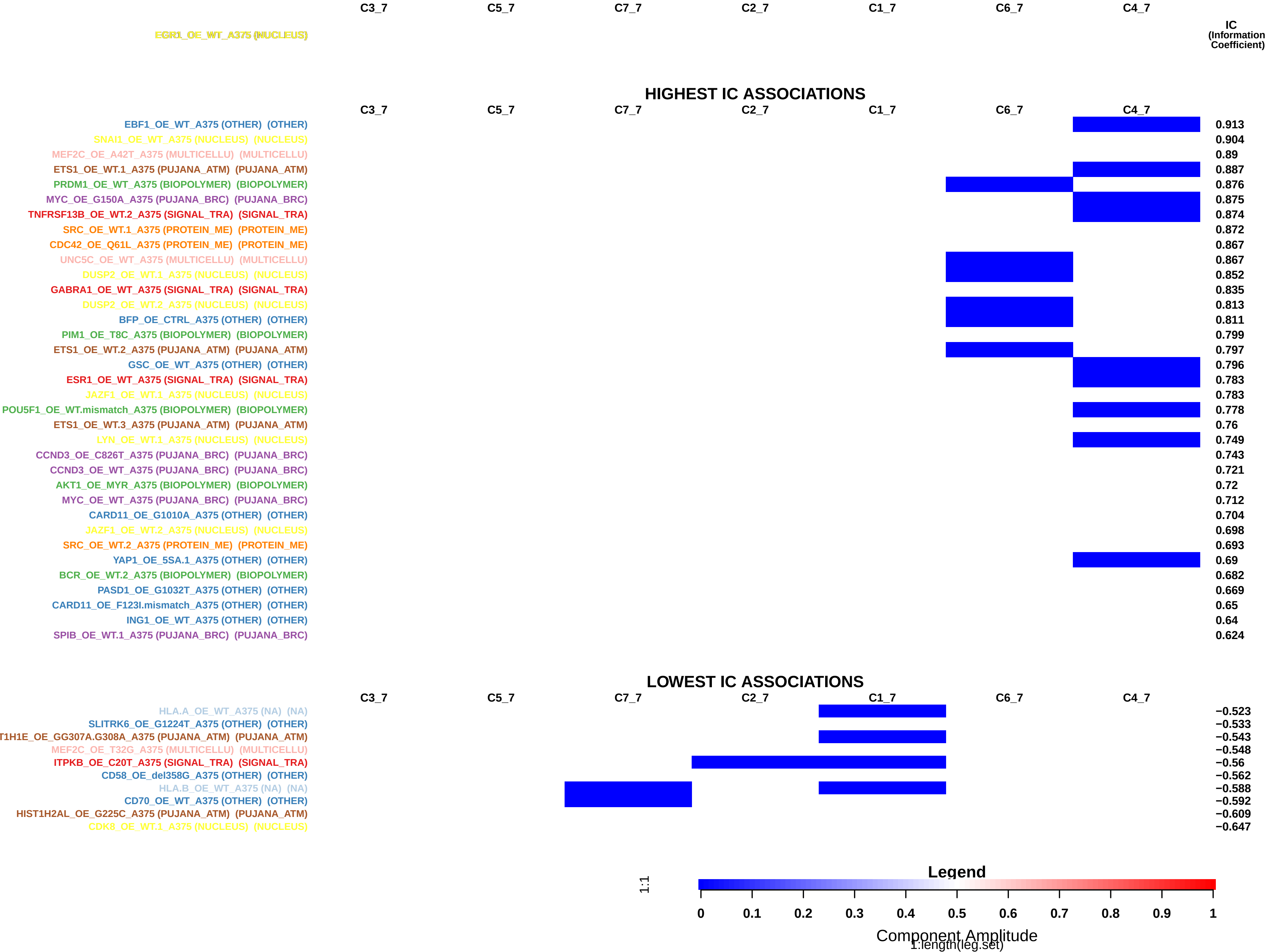
HIST1H1B_OE_WT.2_A375 (PUJANA_ATM)



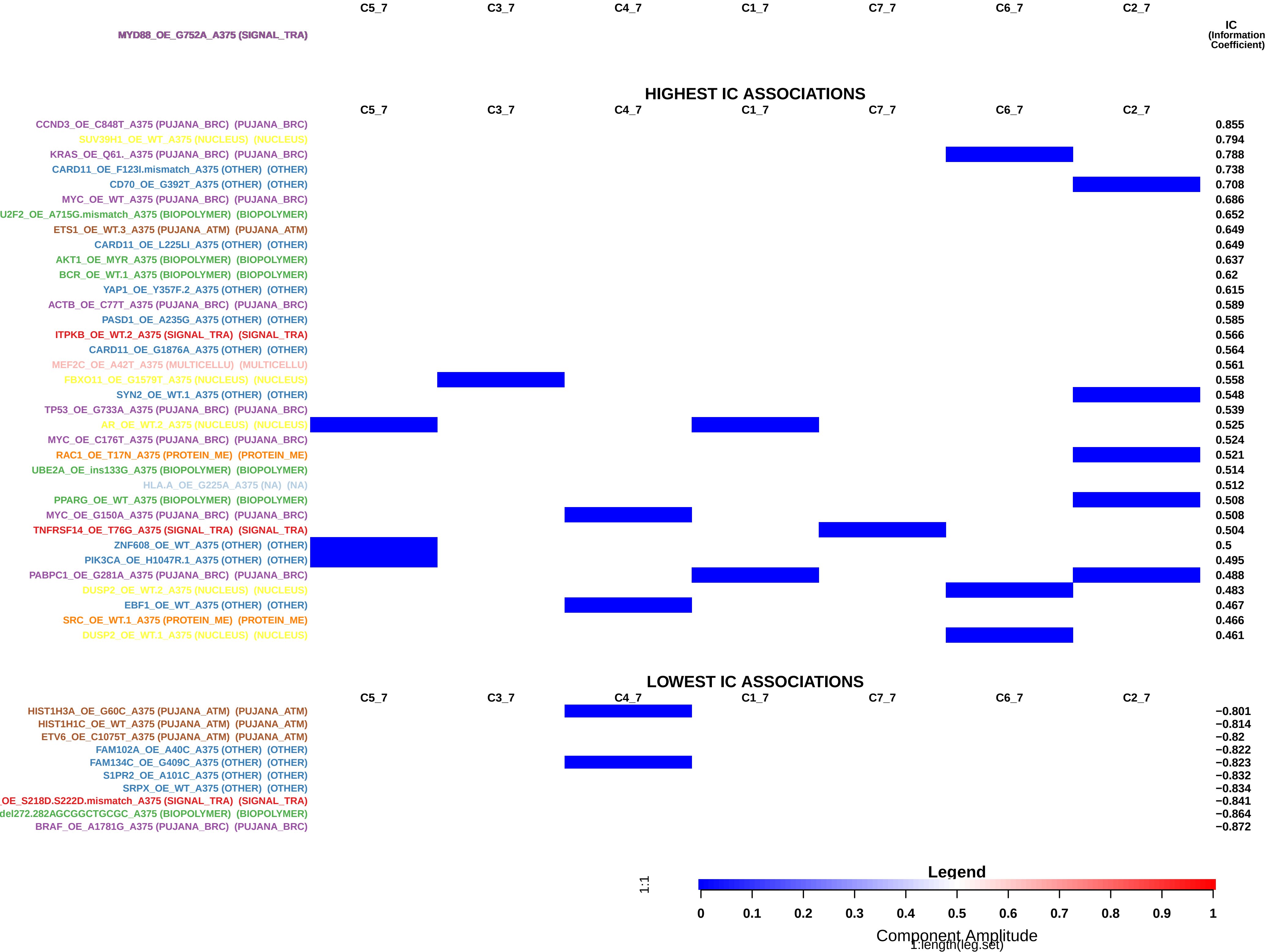
SLITRK6_OE_A1742C_A375 (OTHER)



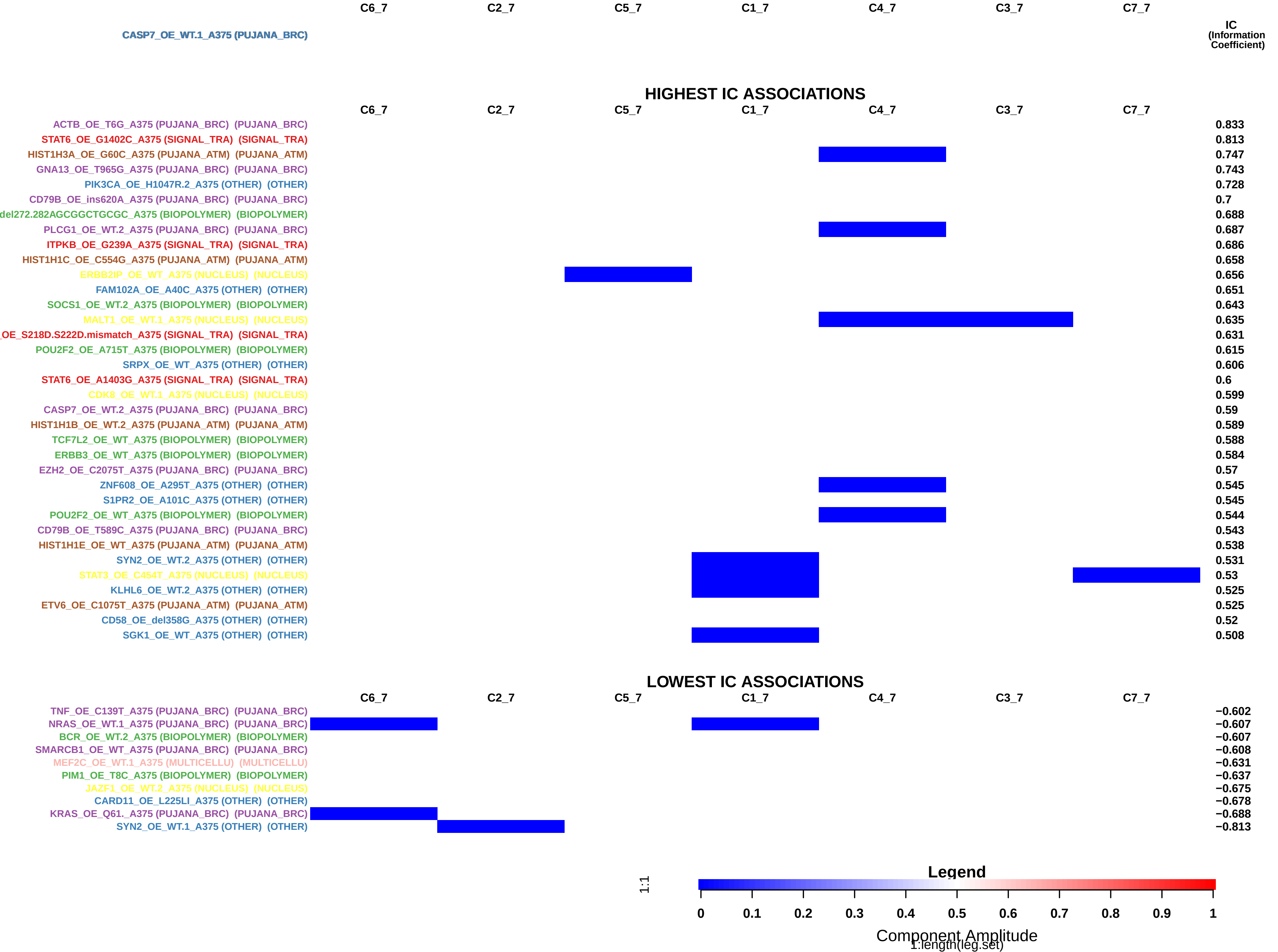
EGR1_OE_WT_A375 (NUCLEUS)



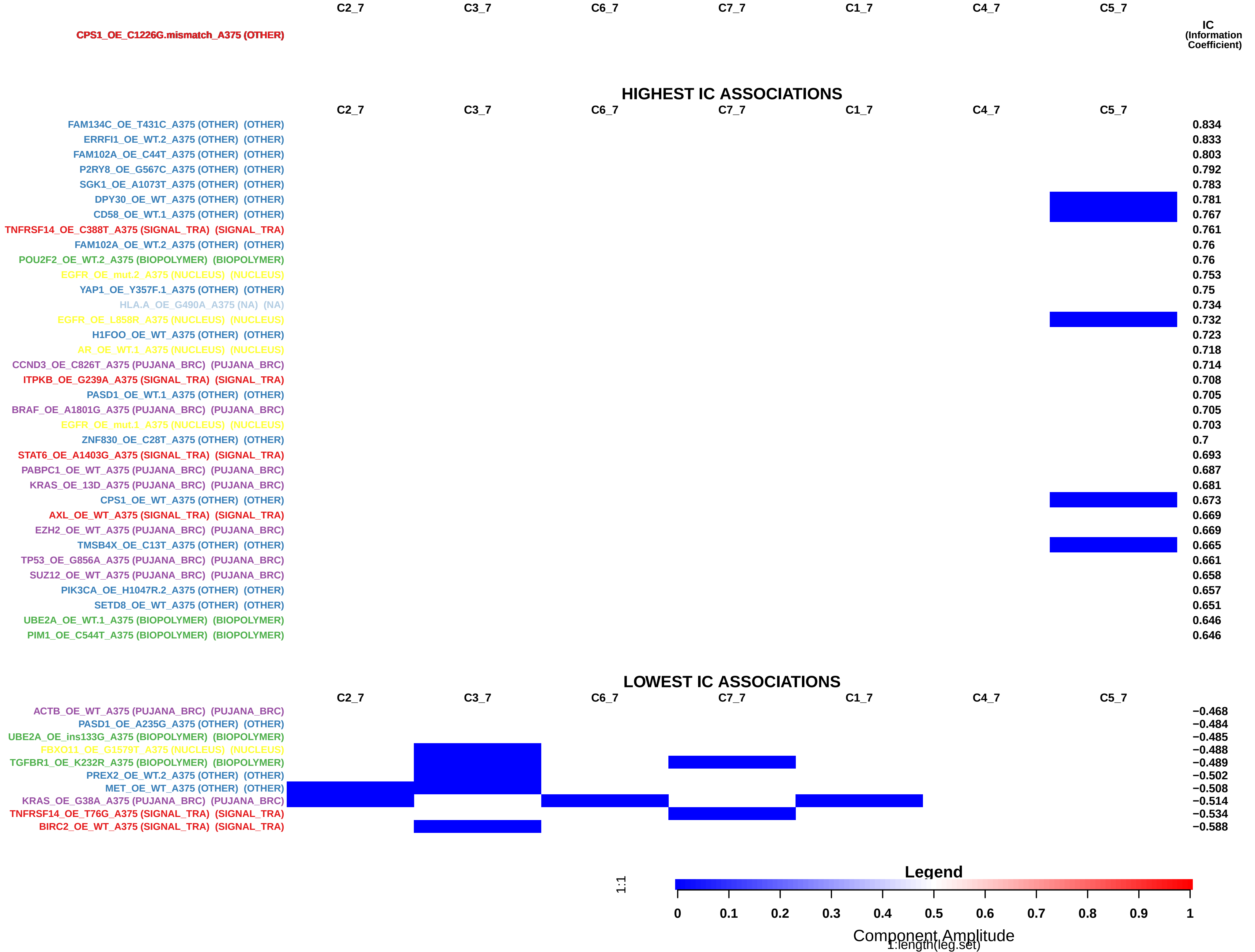
MYD88_OE_G752A_A375 (SIGNAL_TRA)



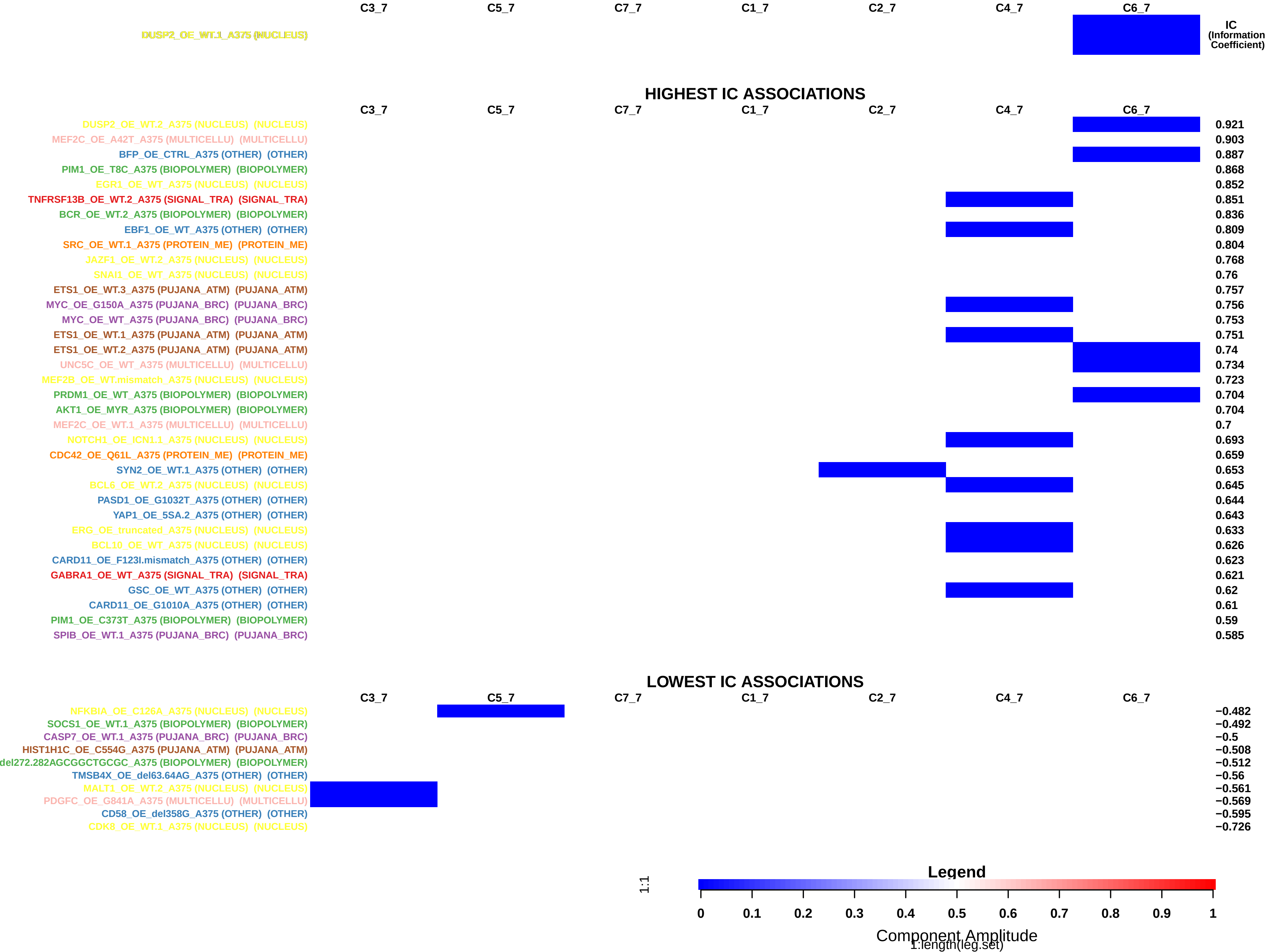
CASP7_OE_WT.1_A375 (PUJANA_BRC)



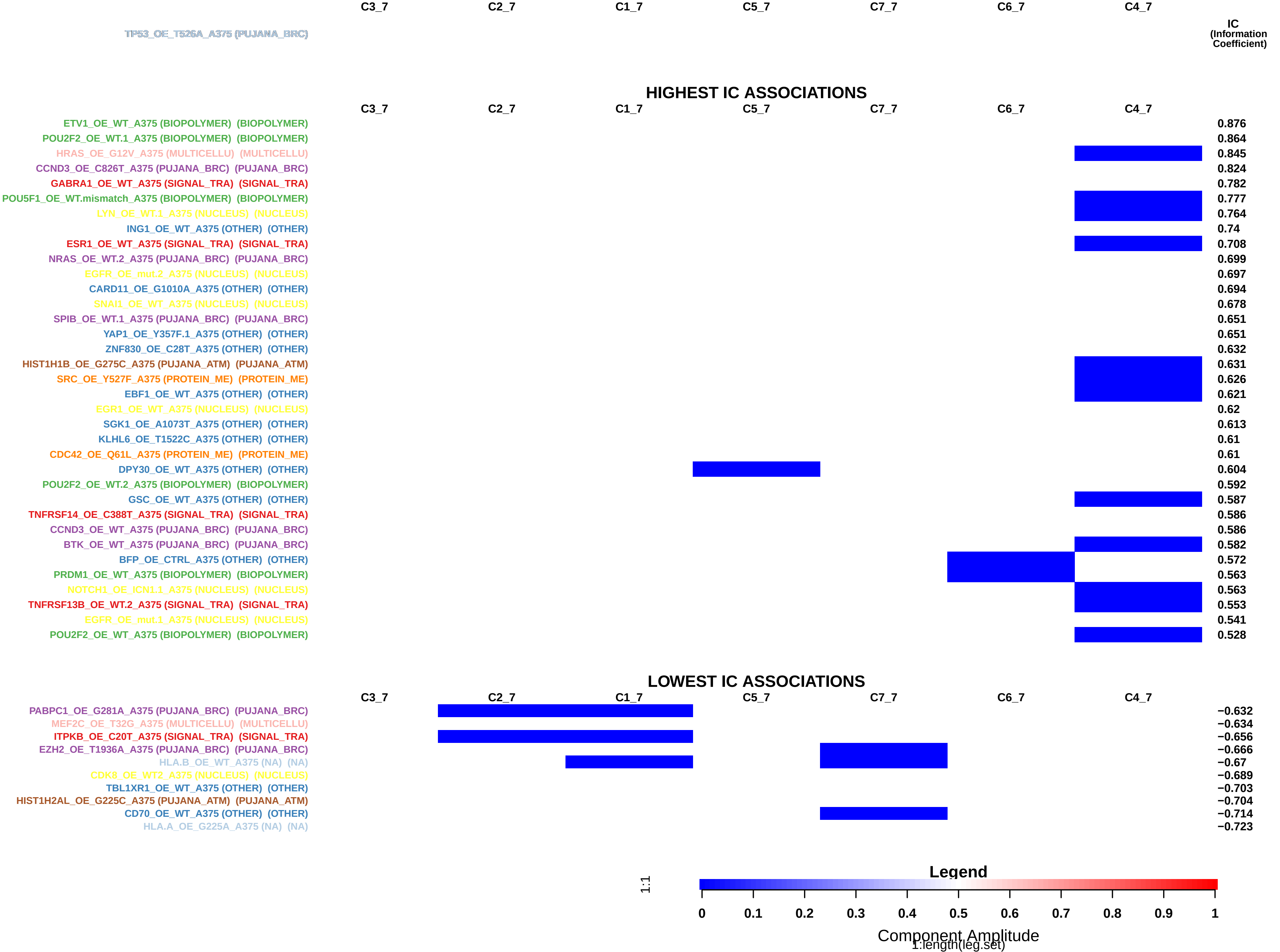
CPS1_OE_C1226G.mismatch_A375 (OTHER)



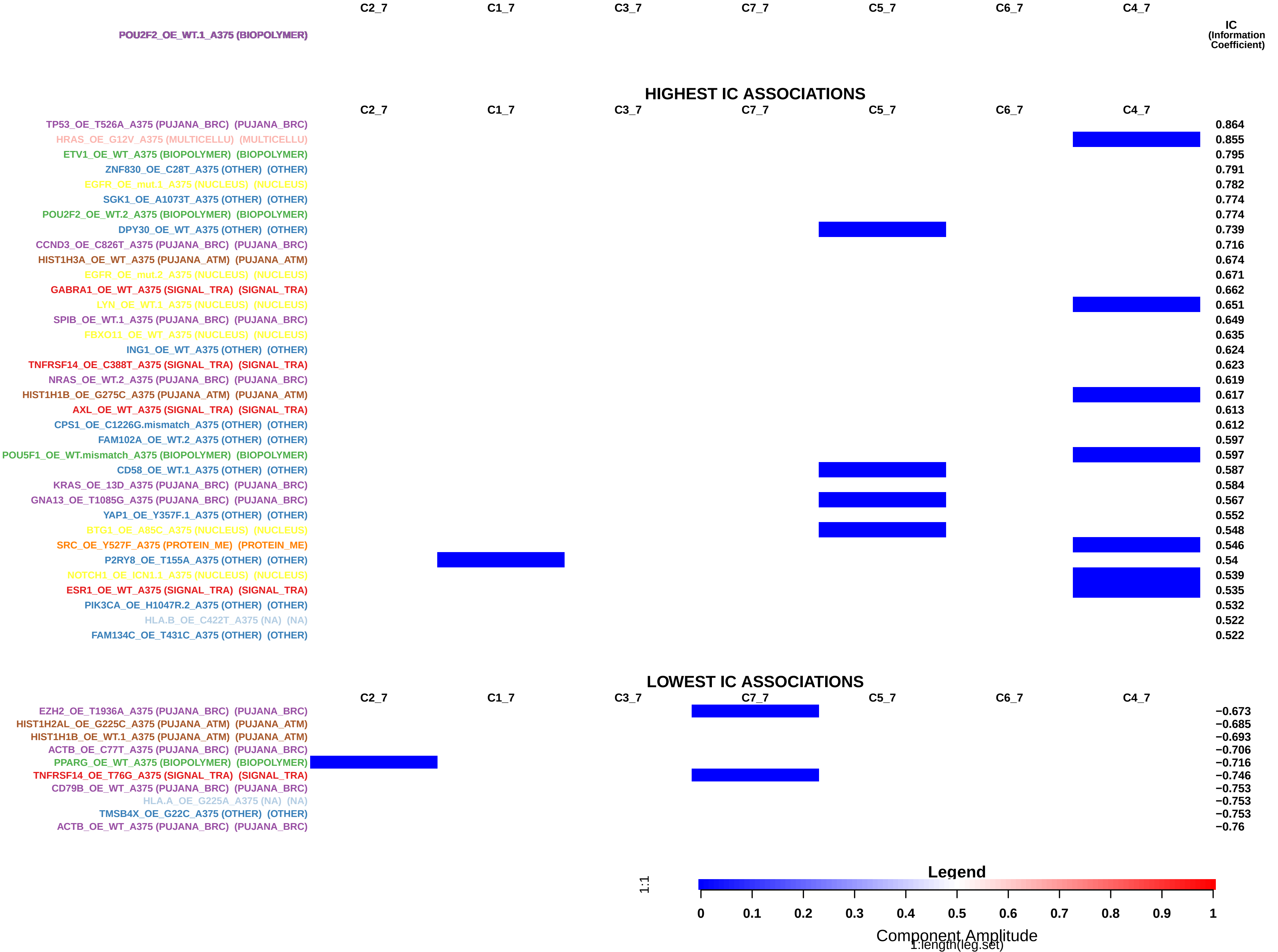
DUSP2_OE_WT.1_A375 (NUCLEUS)



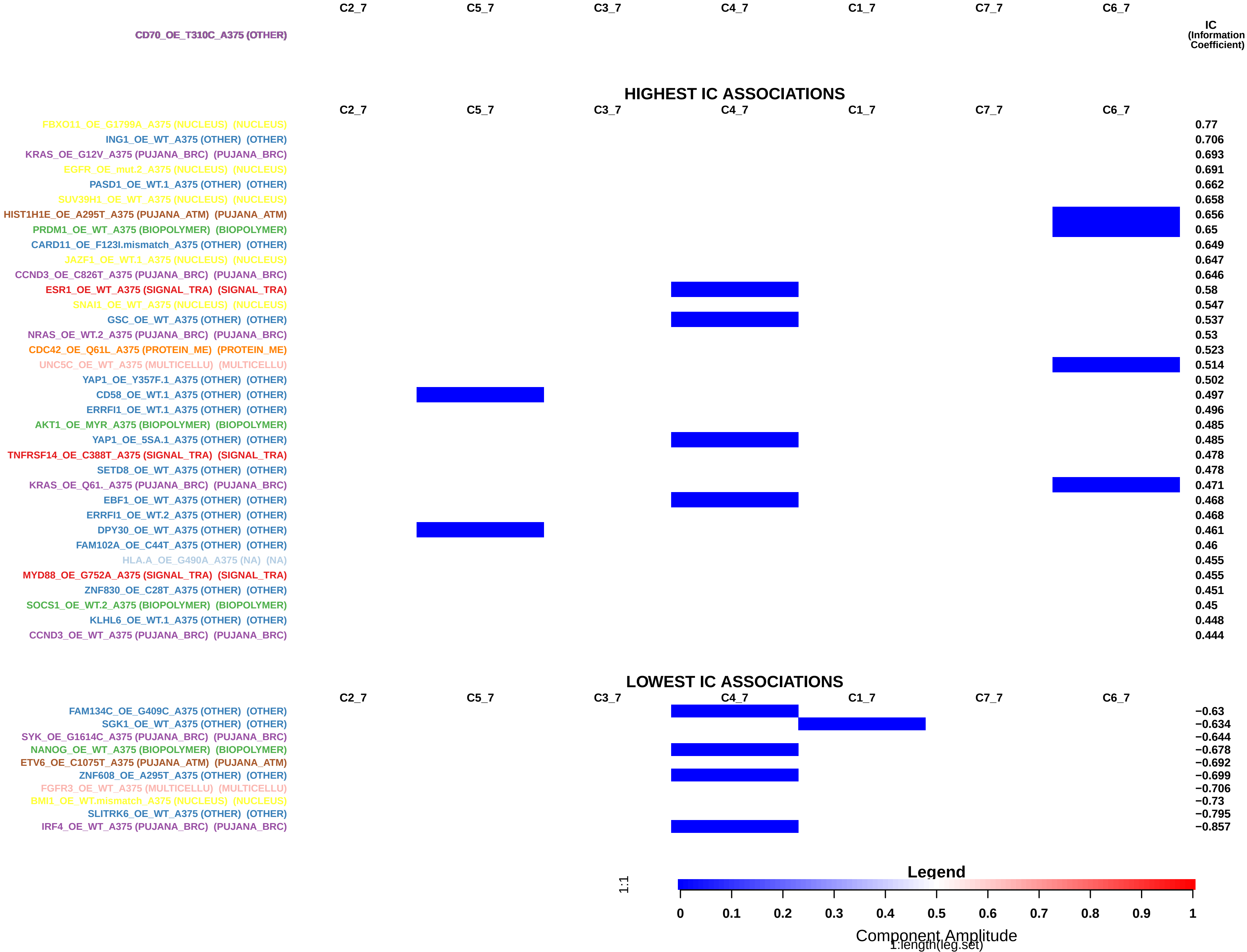
TP53_OE_T526A_A375 (PUJANA_BRC)



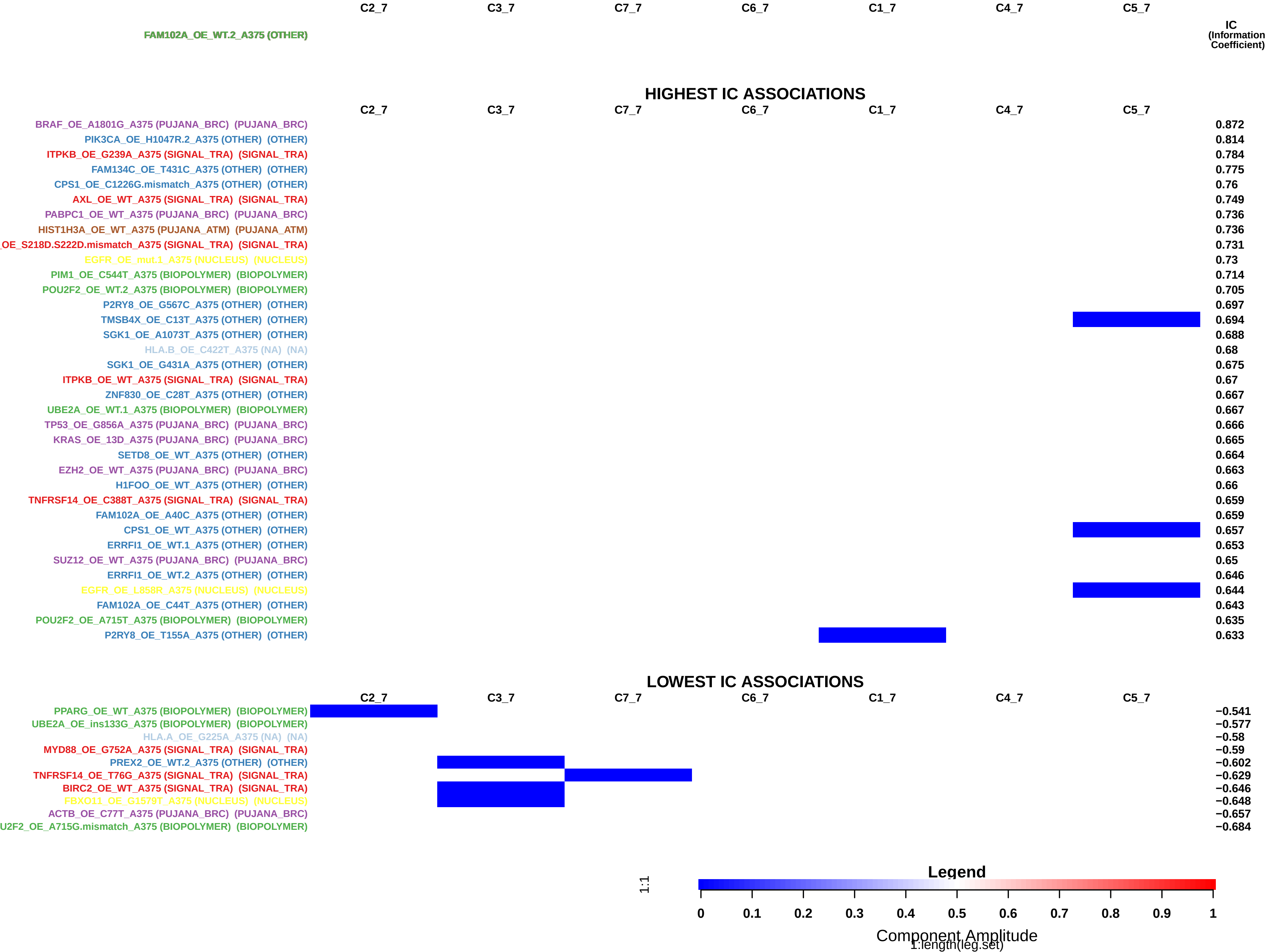
POU2F2_OE_WT.1_A375 (BIOPOLYMER)



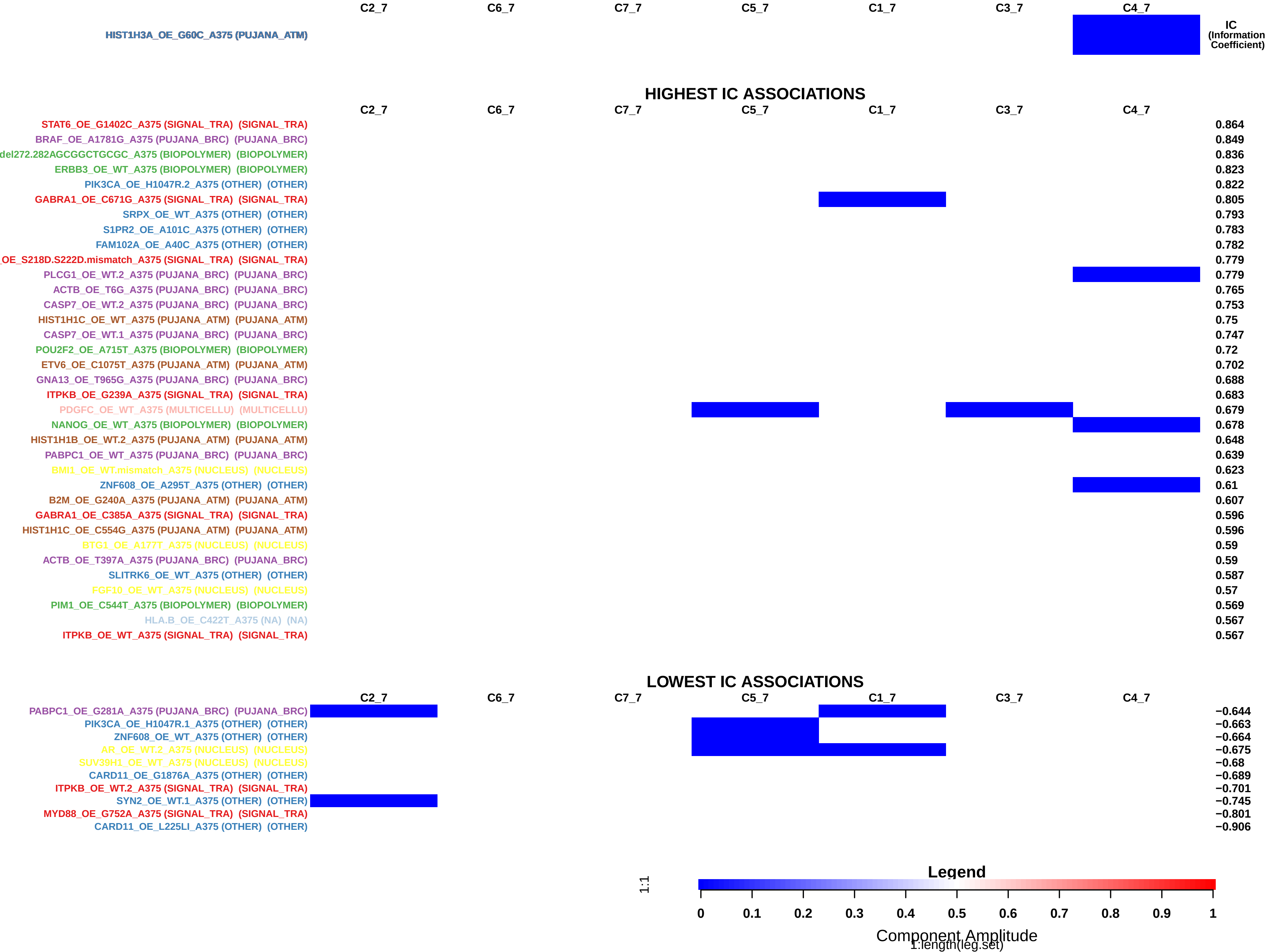
CD70_OE_T310C_A375 (OTHER)



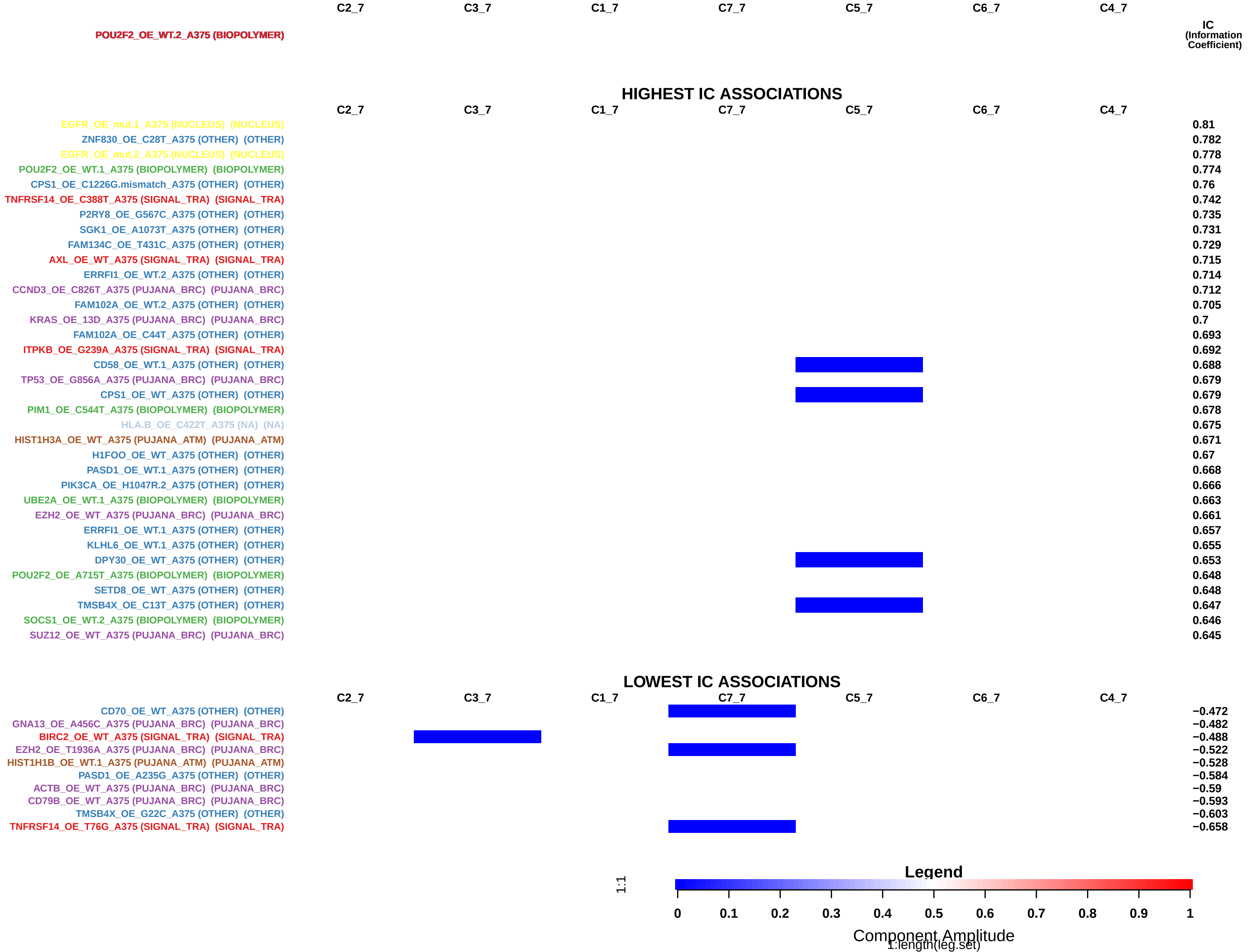
FAM102A_OE_WT.2_A375 (OTHER)



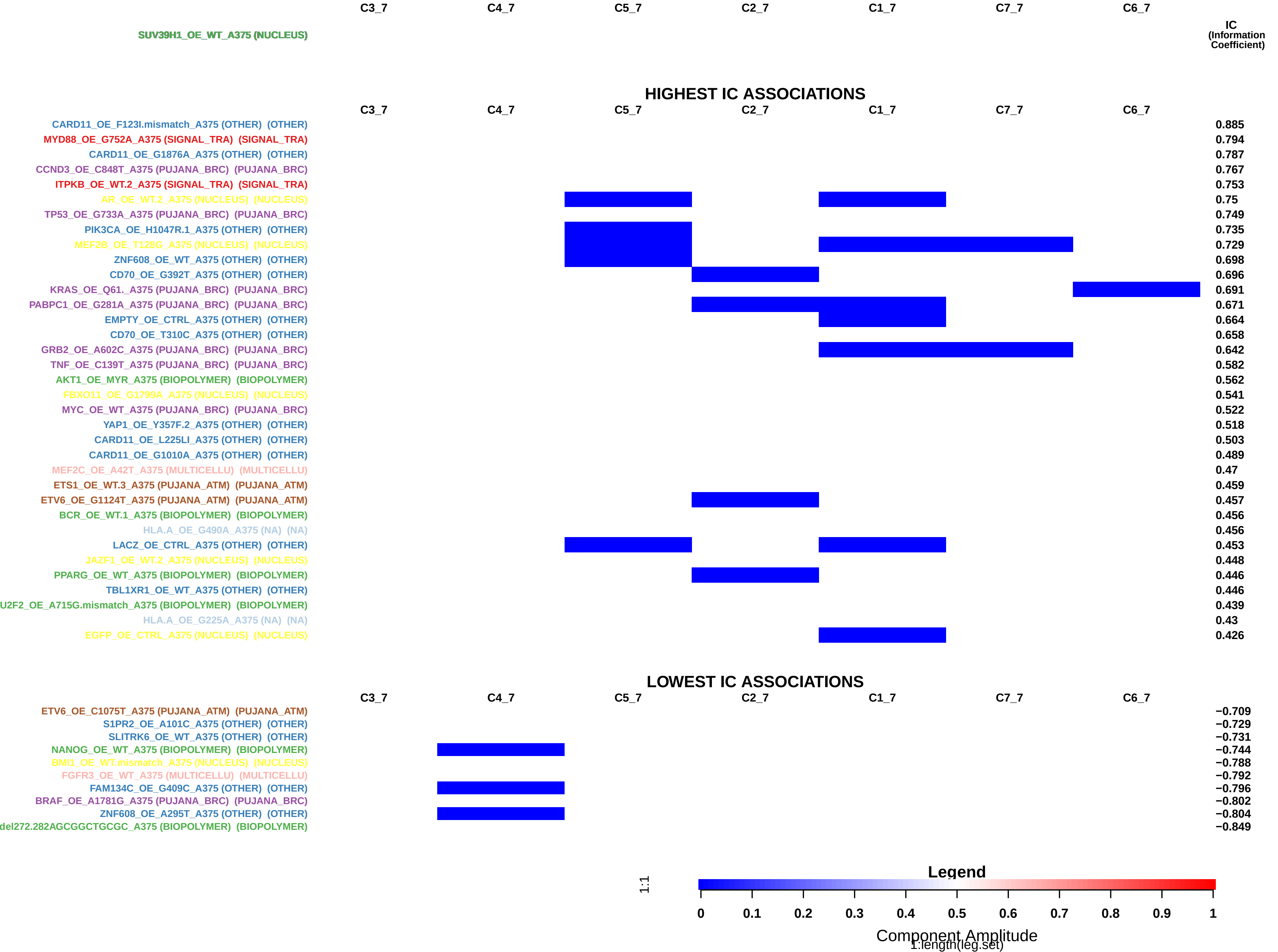
HIST1H3A_OE_G60C_A375 (PUJANA_ATM)



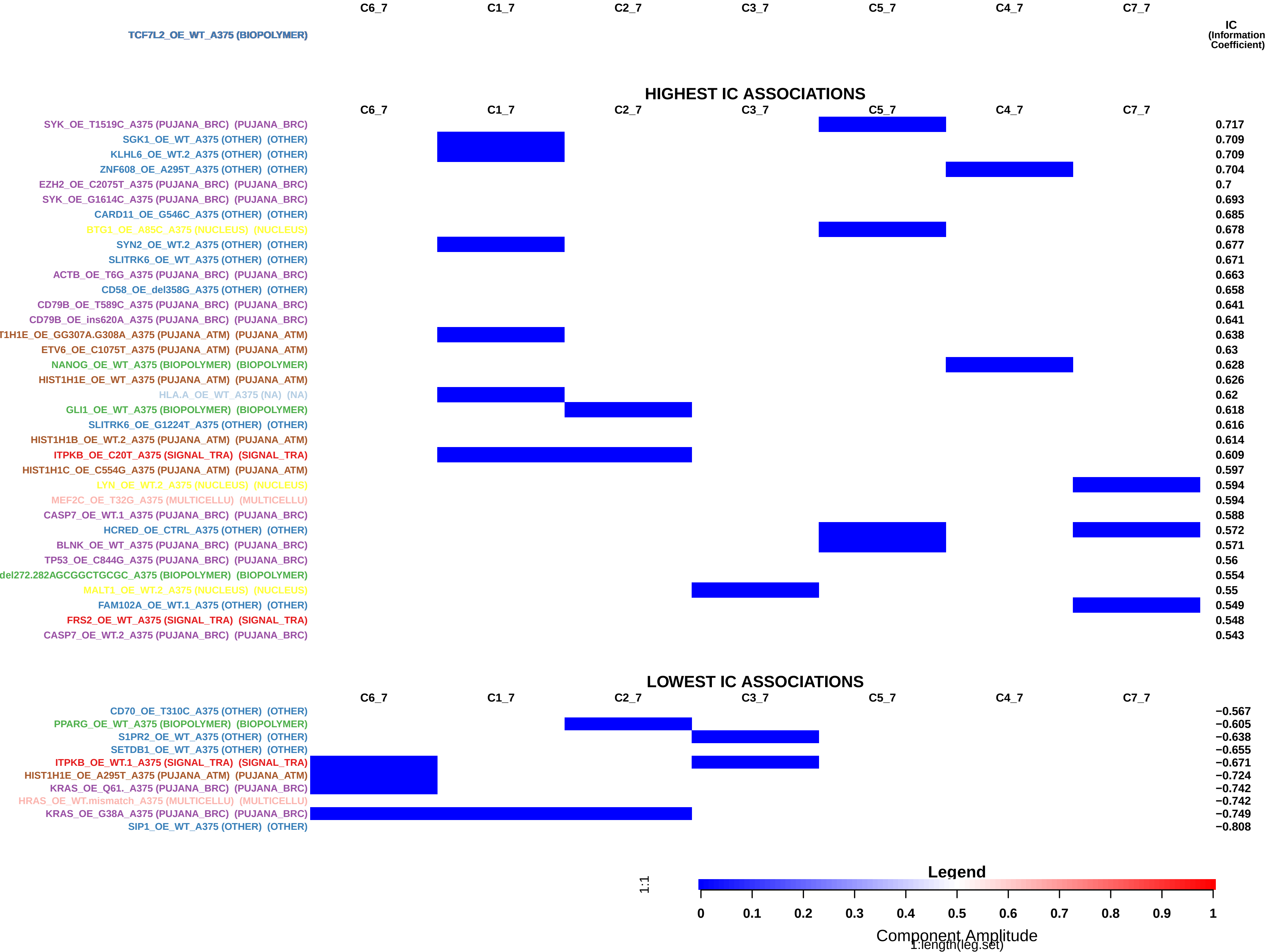
POU2F2_OE_WT.2_A375 (BIOPOLYMER)



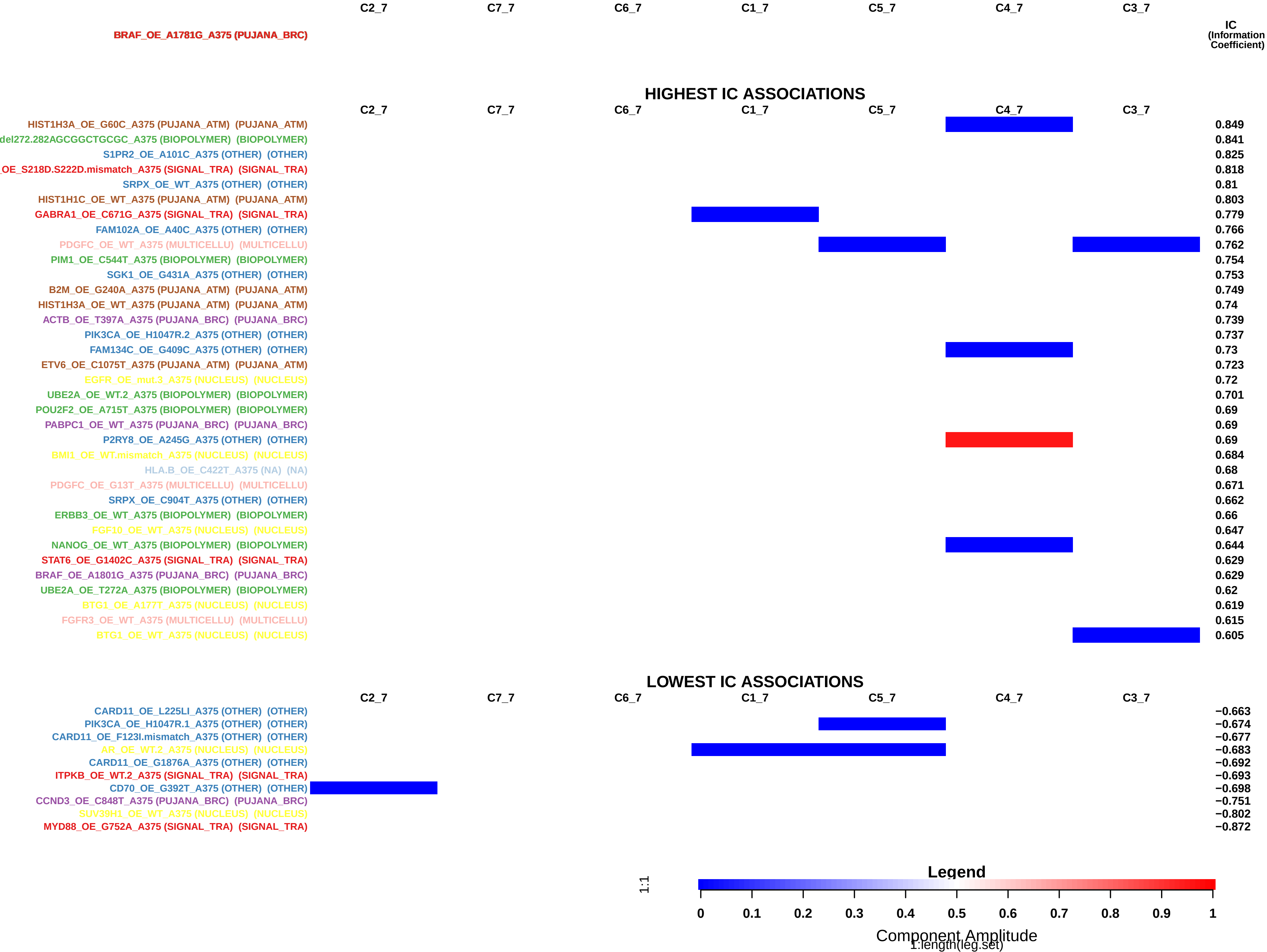
SUV39H1_OE_WT_A375 (NUCLEUS)



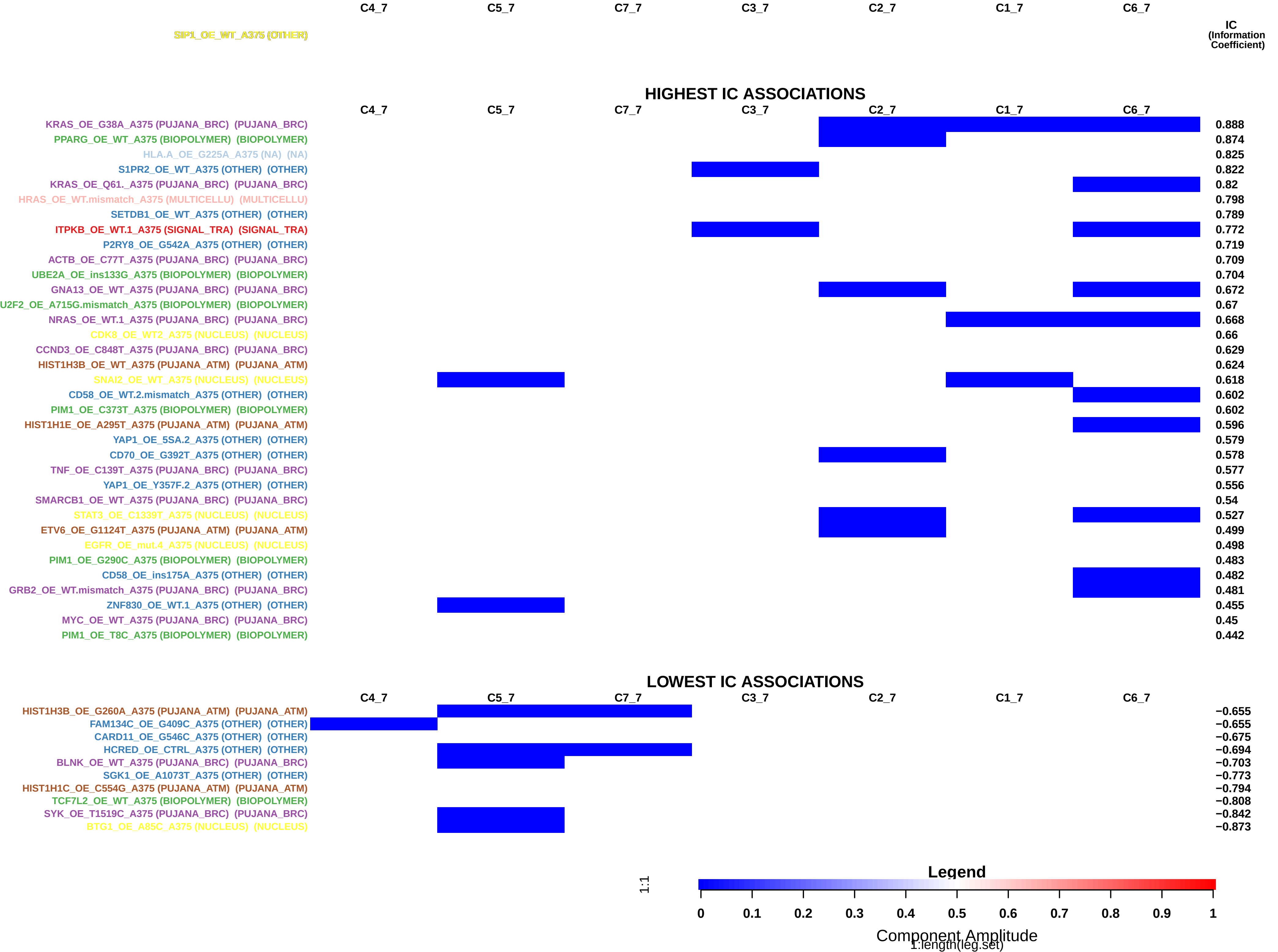
TCF7L2_OE_WT_A375 (BIOPOLYMER)



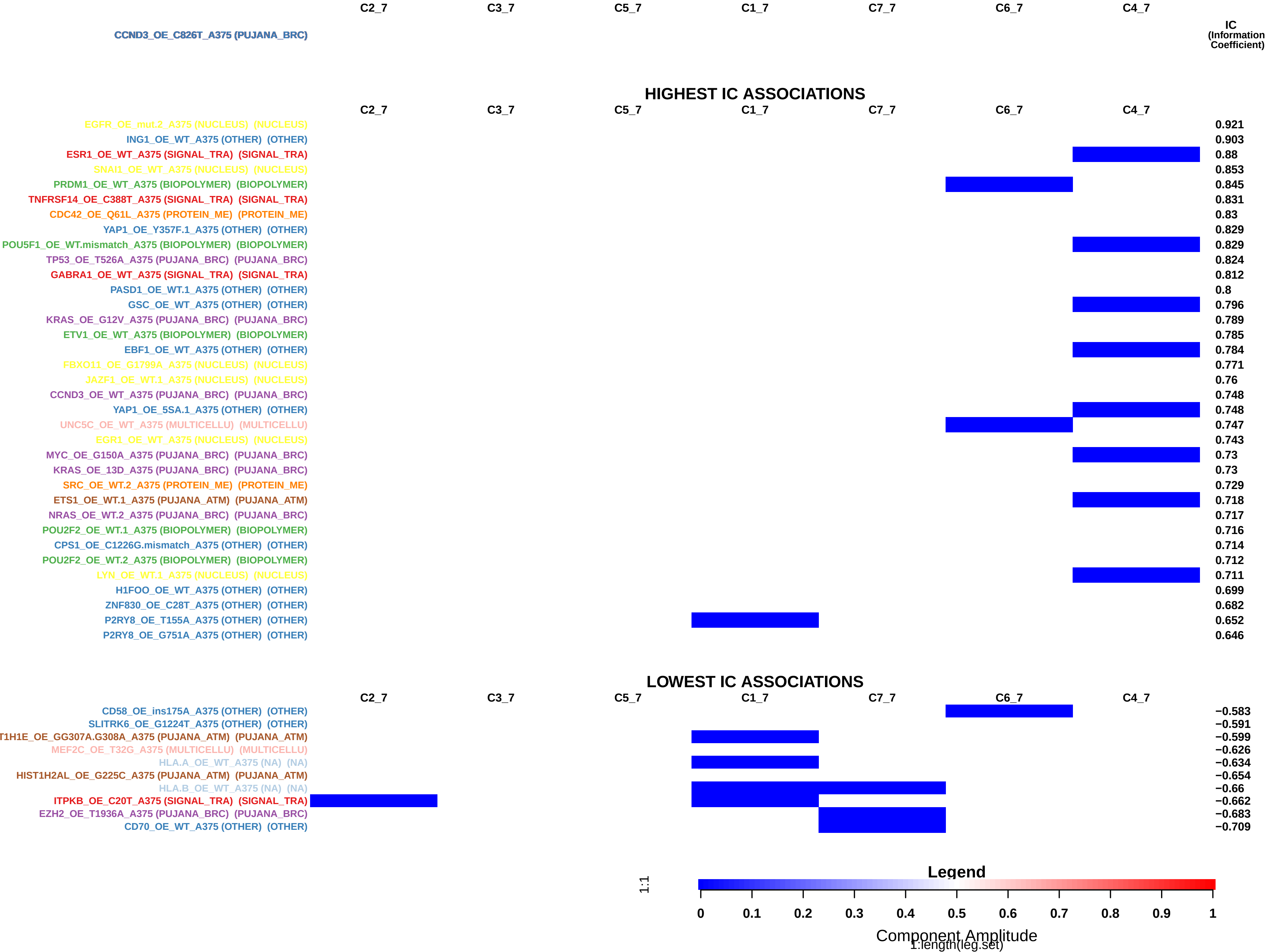
BRAF_OE_A1781G_A375 (PUJANA_BRC)



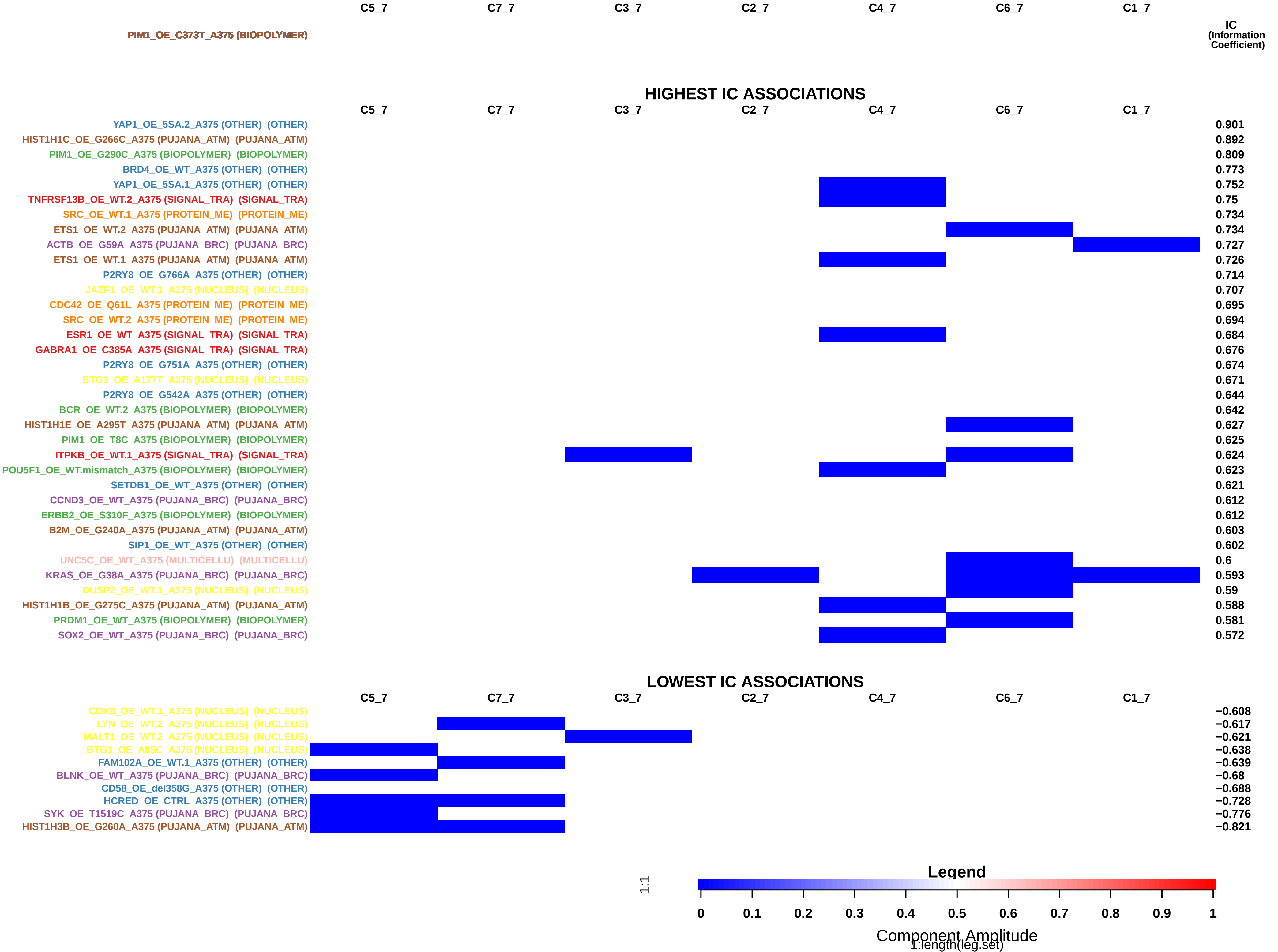
SIP1_OE_WT_A375 (OTHER)

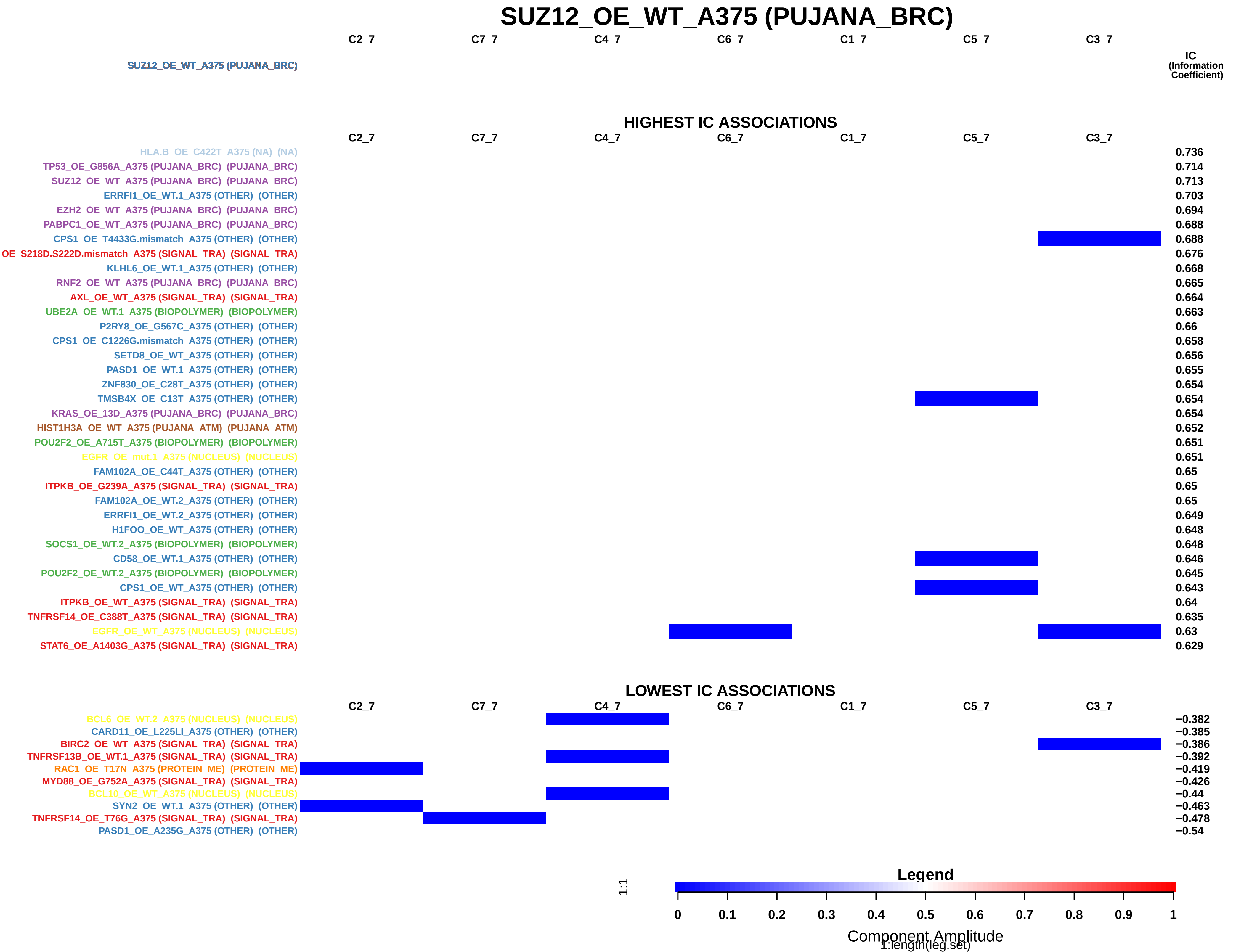


CCND3_OE_C826T_A375 (PUJANA_BRC)

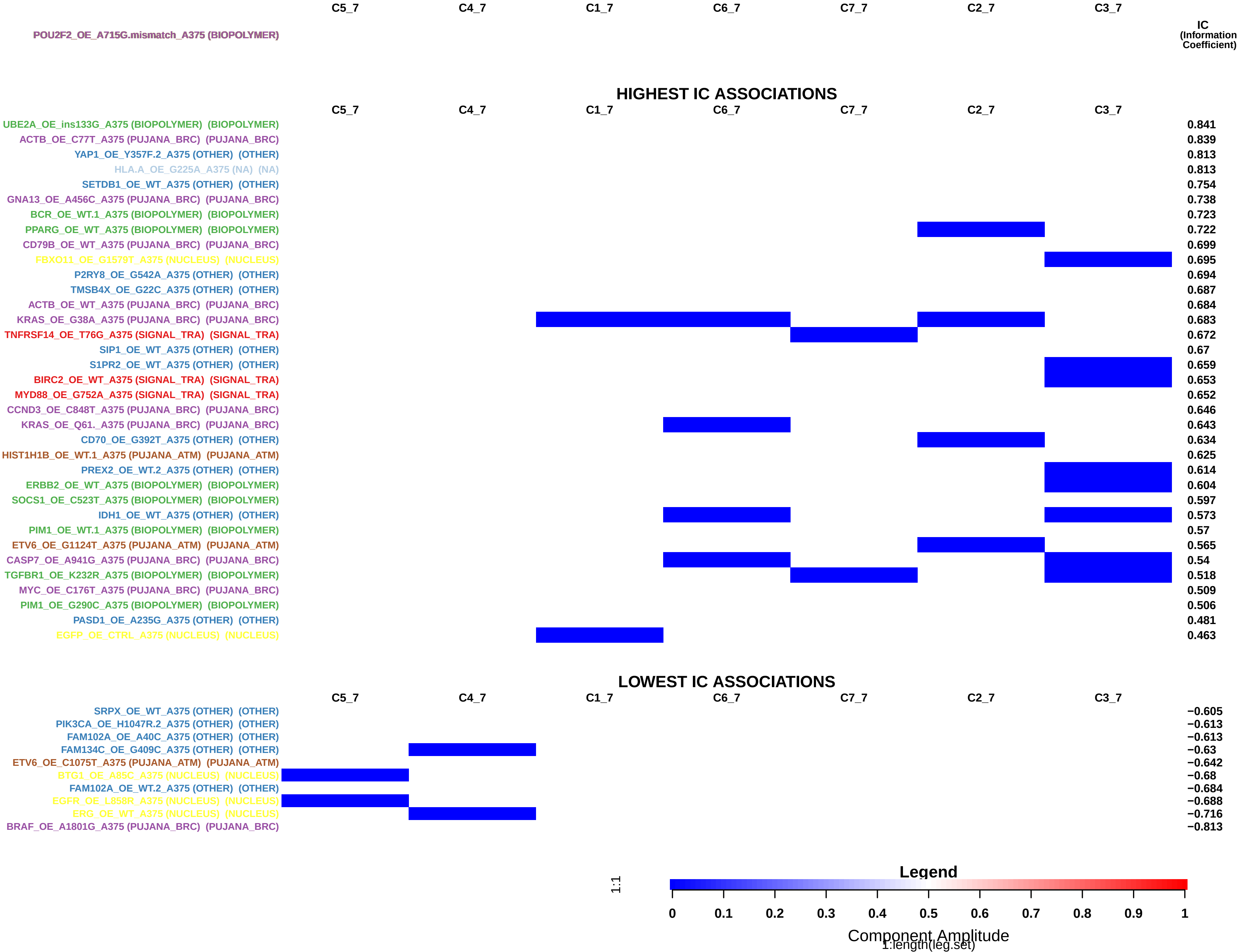


PIM1_OE_C373T_A375 (BIOPOLYMER)

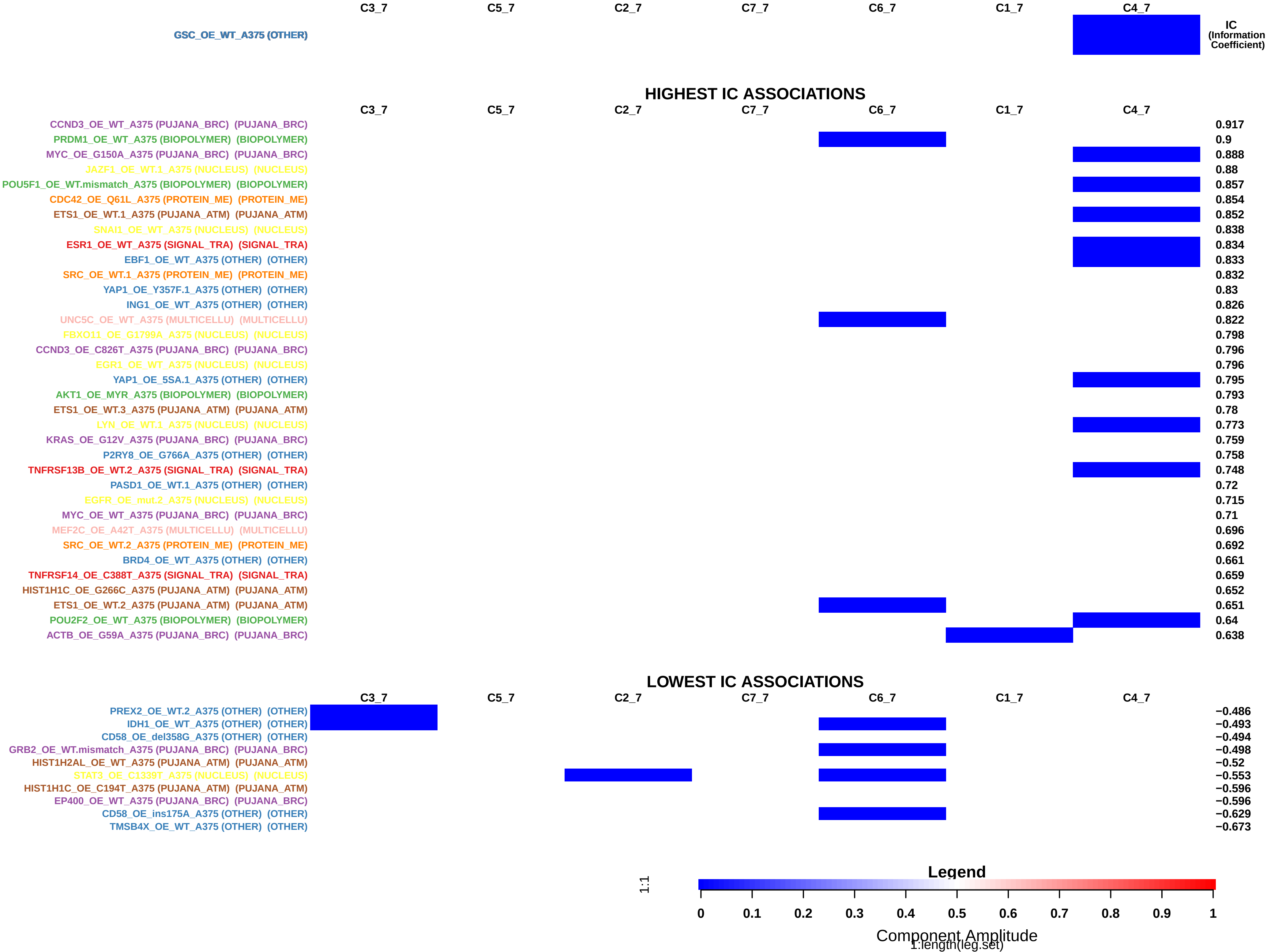



SUZ12_OE_WT_A375 (PUJANA_BRC)
C2_7
C7_7
C4_7
C6_7
C1_7
C5_7
C3_7
SUZ12_OE_WT_A375 (PUJANA_BRC)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
C2_7
C7_7
C4_7
C6_7
C1_7
C5_7
C3_7
HLA.B_OE_C422T_A375 (NA) (NA) 0.736
TP53_OE_G856A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.714
SUZ12_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.713
ERRFI1_OE_WT.1_A375 (OTHER) (OTHER) 0.703
EZH2_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.694
PABPC1_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.688
CPS1_OE_T4433G.mismatch_A375 (OTHER) (OTHER) 0.688
OE_S218D.S222D.mismatch_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.676
KLHL6_OE_WT.1_A375 (OTHER) (OTHER) 0.668
RNF2_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.665
AXL_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.664
UBE2A_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) 0.663
P2RY8_OE_G567C_A375 (OTHER) (OTHER) 0.66
CPS1_OE_C1226G.mismatch_A375 (OTHER) (OTHER) 0.658
SETD8_OE_WT_A375 (OTHER) (OTHER) 0.656
PASD1_OE_WT.1_A375 (OTHER) (OTHER) 0.655
ZNF830_OE_C28T_A375 (OTHER) (OTHER) 0.654
TMSB4X_OE_C13T_A375 (OTHER) (OTHER) 0.654
KRAS_OE_13D_A375 (PUJANA_BRC) (PUJANA_BRC) 0.654
HIST1H3A_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.652
POU2F2_OE_A715T_A375 (BIOPOLYMER) (BIOPOLYMER) 0.651
EGFR_OE_mut.1_A375 (NUCLEUS) (NUCLEUS) 0.651
FAM102A_OE_C44T_A375 (OTHER) (OTHER) 0.65
ITPKB_OE_G239A_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.65
FAM102A_OE_WT.2_A375 (OTHER) (OTHER) 0.65
ERRFI1_OE_WT.2_A375 (OTHER) (OTHER) 0.649
H1FOO_OE_WT_A375 (OTHER) (OTHER) 0.648
SOCS1_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.648
CD58_OE_WT.1_A375 (OTHER) (OTHER) 0.646
POU2F2_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.645
CPS1_OE_WT_A375 (OTHER) (OTHER) 0.643
ITPKB_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.64
TNFRSF14_OE_C388T_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.635
EGFR_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.63
STAT6_OE_A1403G_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.629
LOWEST IC ASSOCIATIONS
C2_7
C7_7
C4_7
C6_7
C1_7
C5_7
C3_7
BCL6_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) −0.382
CARD11_OE_L225LI_A375 (OTHER) (OTHER) −0.385
BIRC2_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.386
TNFRSF13B_OE_WT.1_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.392
RAC1_OE_T17N_A375 (PROTEIN_ME) (PROTEIN_ME) −0.419
MYD88_OE_G752A_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.426
BCL10_OE_WT_A375 (NUCLEUS) (NUCLEUS) −0.44
SYN2_OE_WT.1_A375 (OTHER) (OTHER) −0.463
TNFRSF14_OE_T76G_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.478
PASD1_OE_A235G_A375 (OTHER) (OTHER) −0.54
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

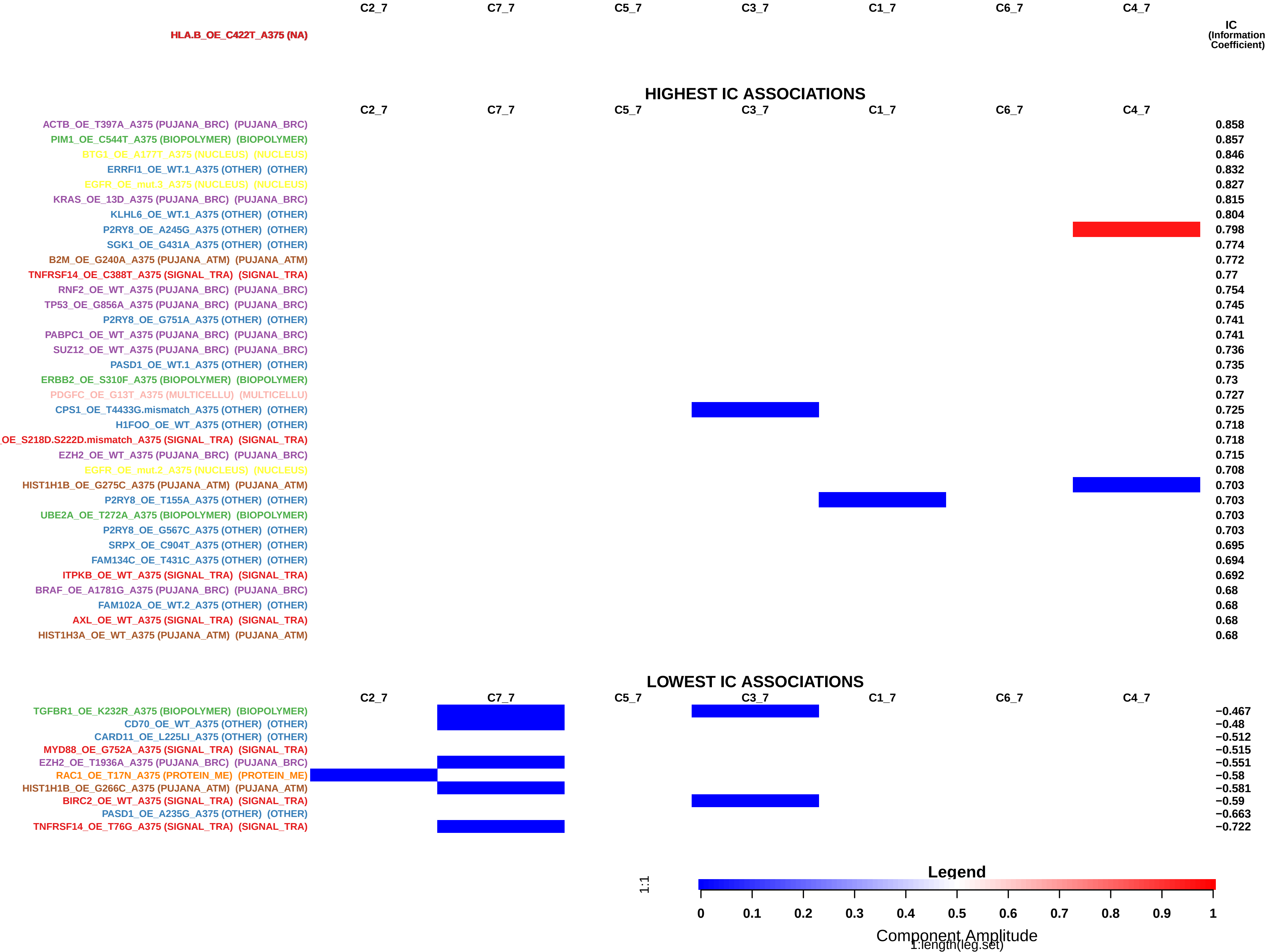
POU2F2_OE_A715G.mismatch_A375 (BIOPOLYMER)



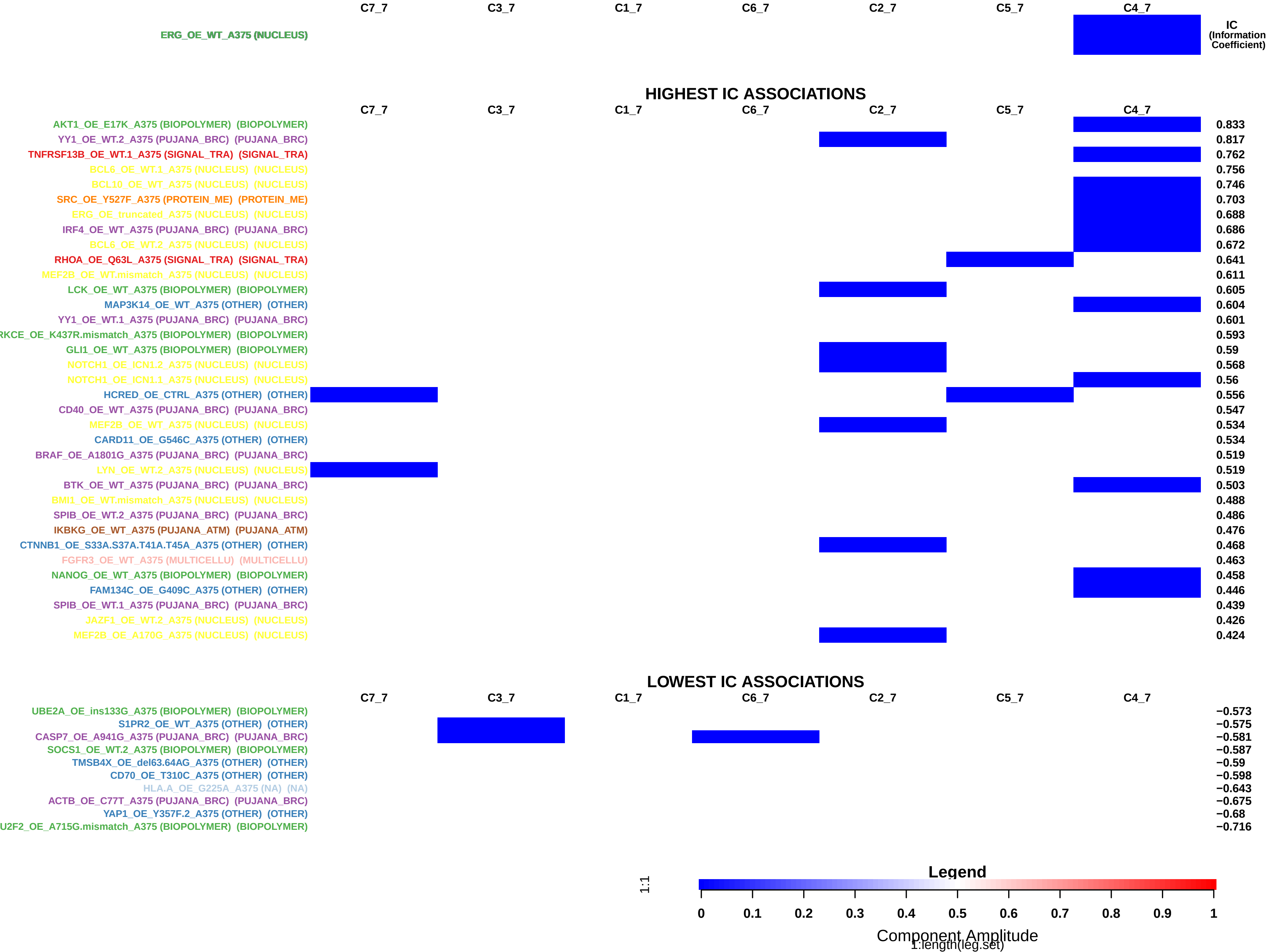
GSC_OE_WT_A375 (OTHER)



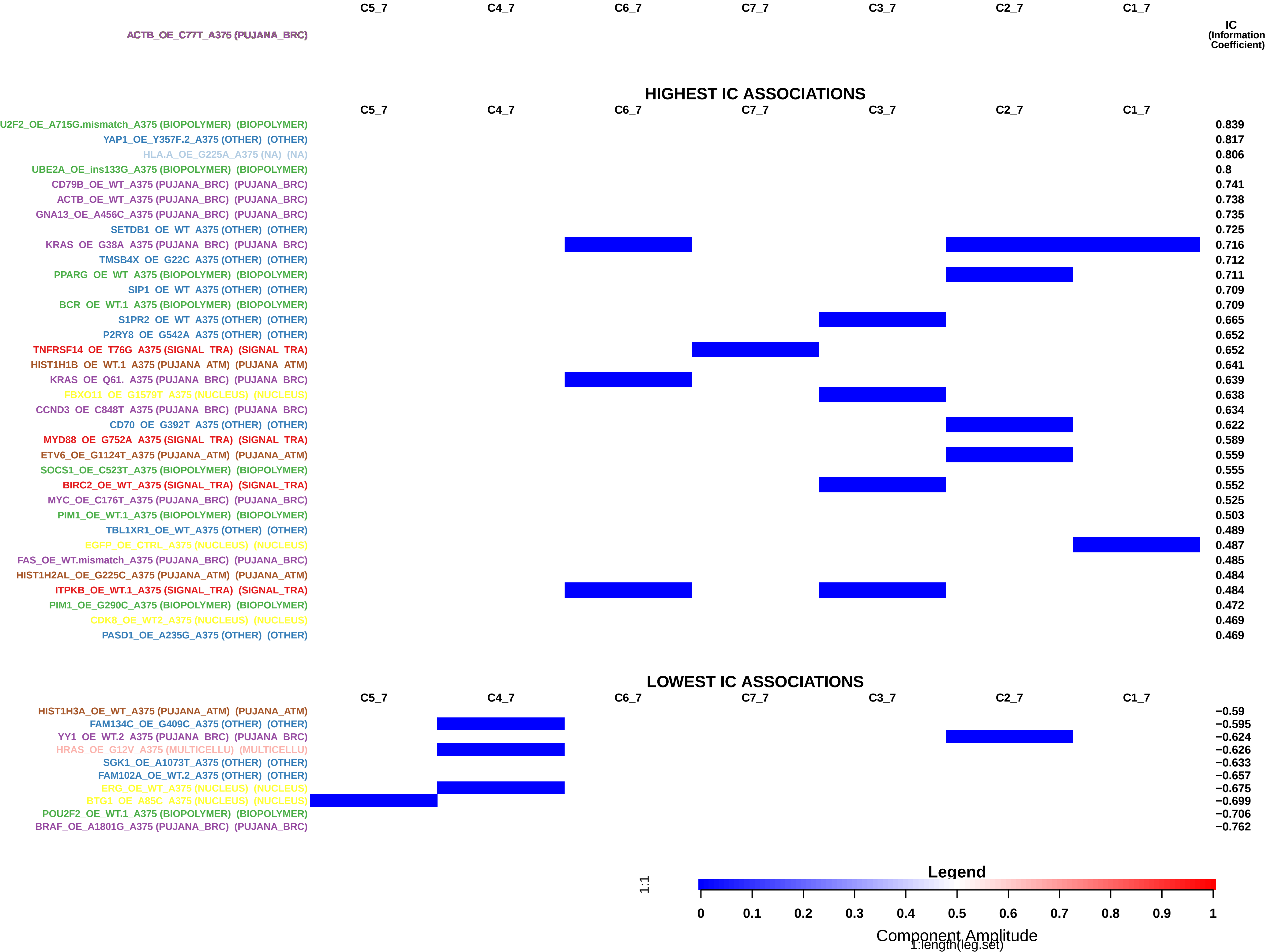
HLA.B_OE_C422T_A375 (NA)



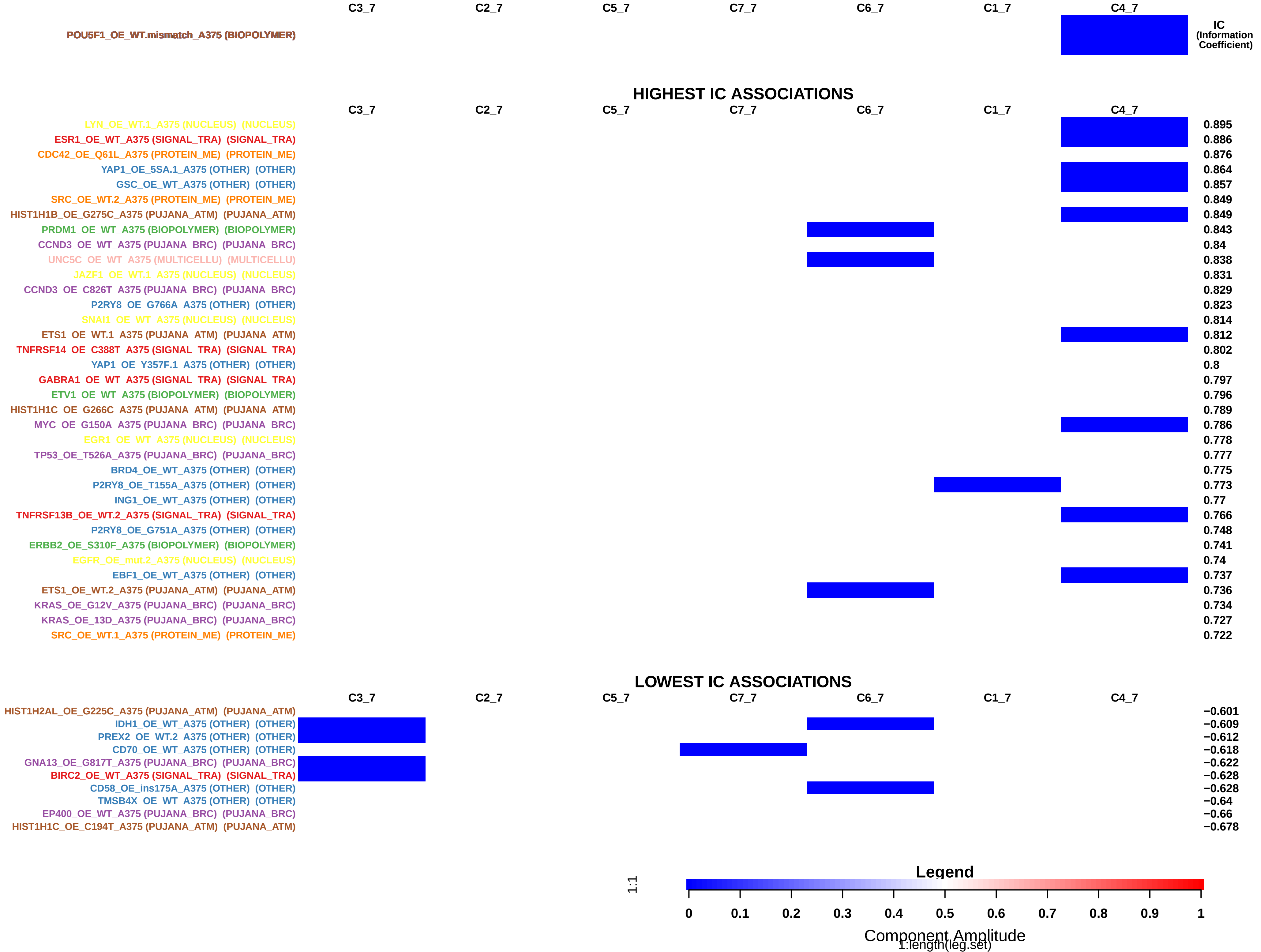
ERG_OE_WT_A375 (NUCLEUS)



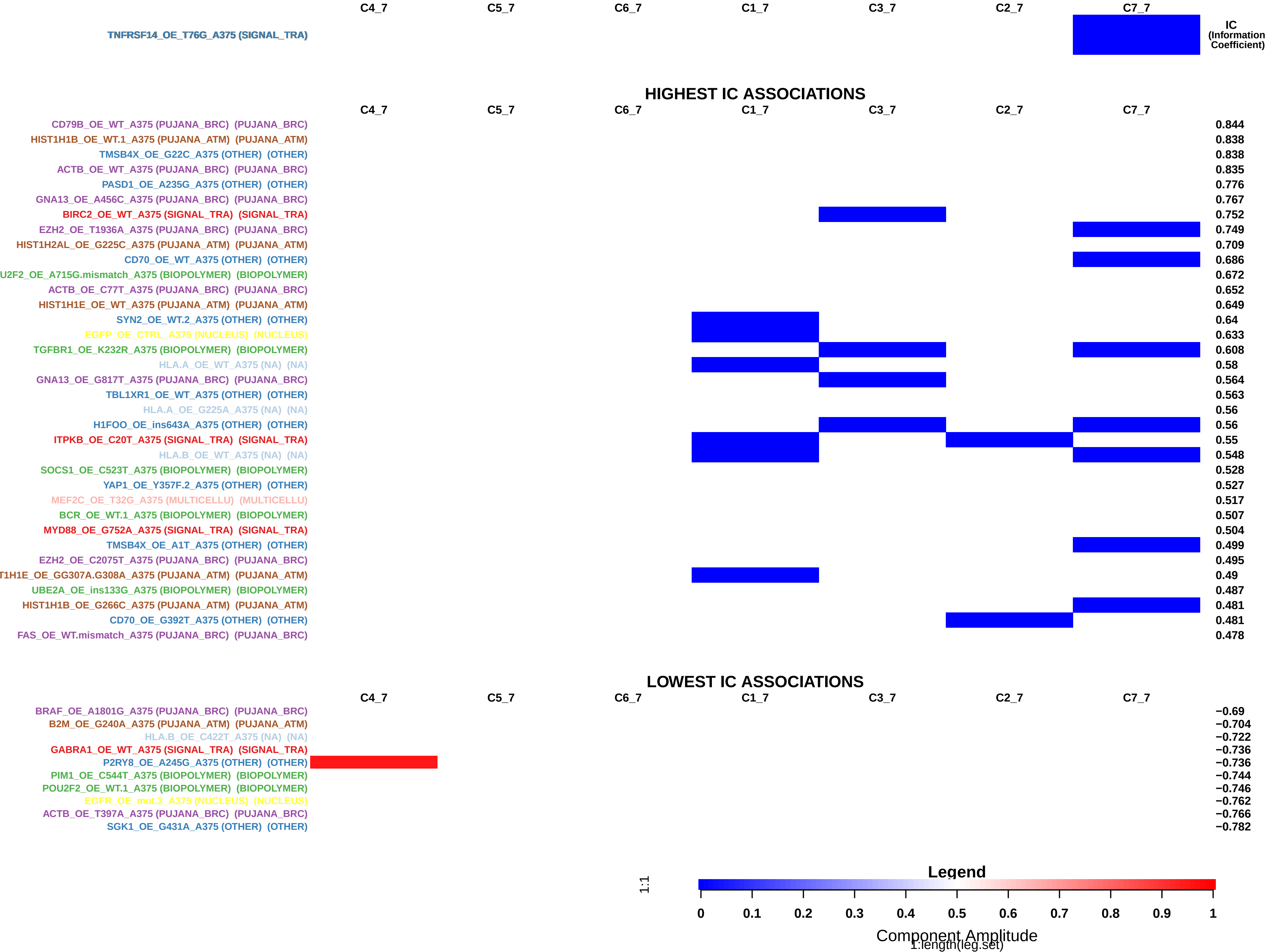
ACTB_OE_C77T_A375 (PUJANA_BRC)



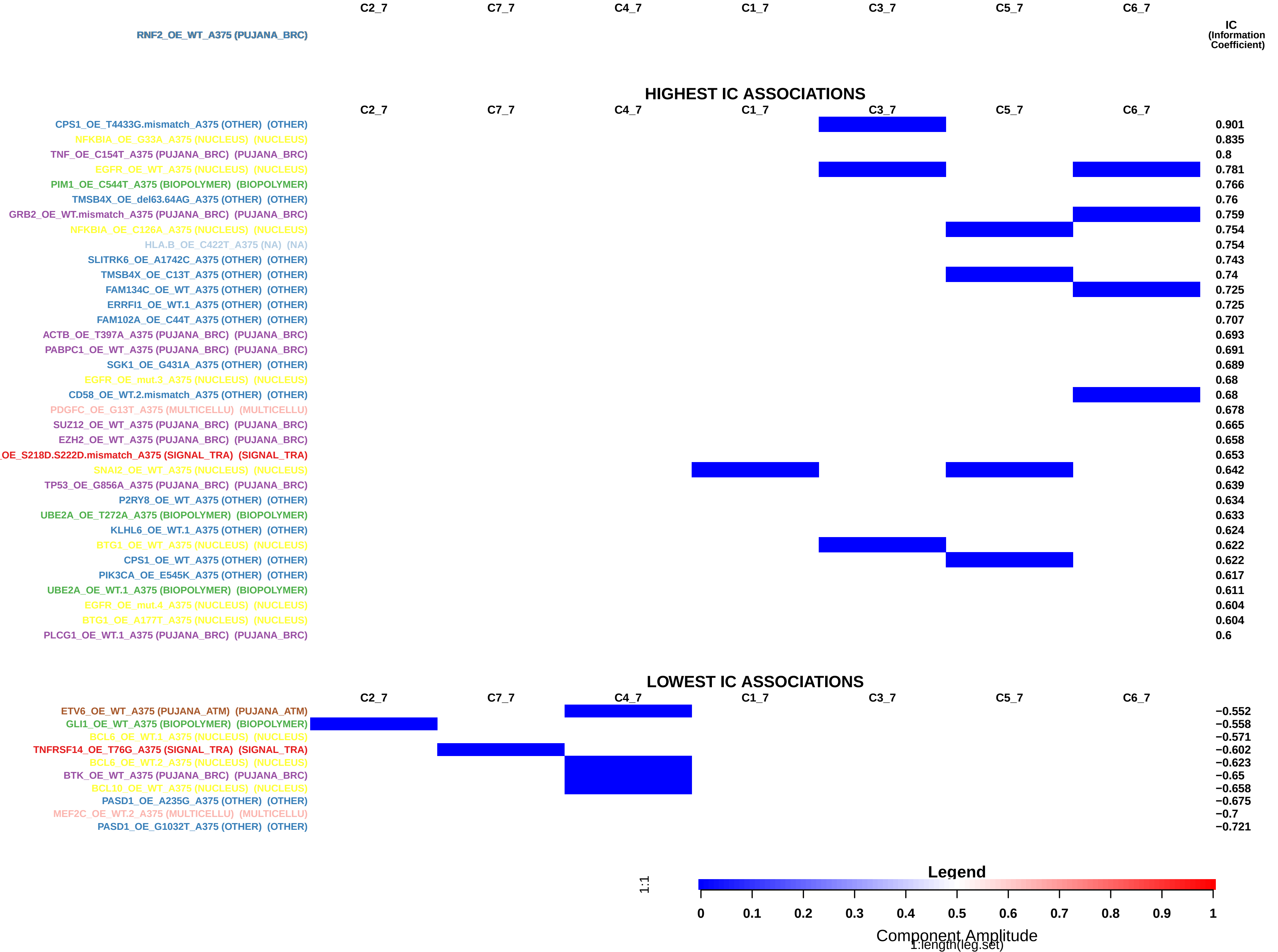
POU5F1_OE_WT.mismatch_A375 (BIOPOLYMER)

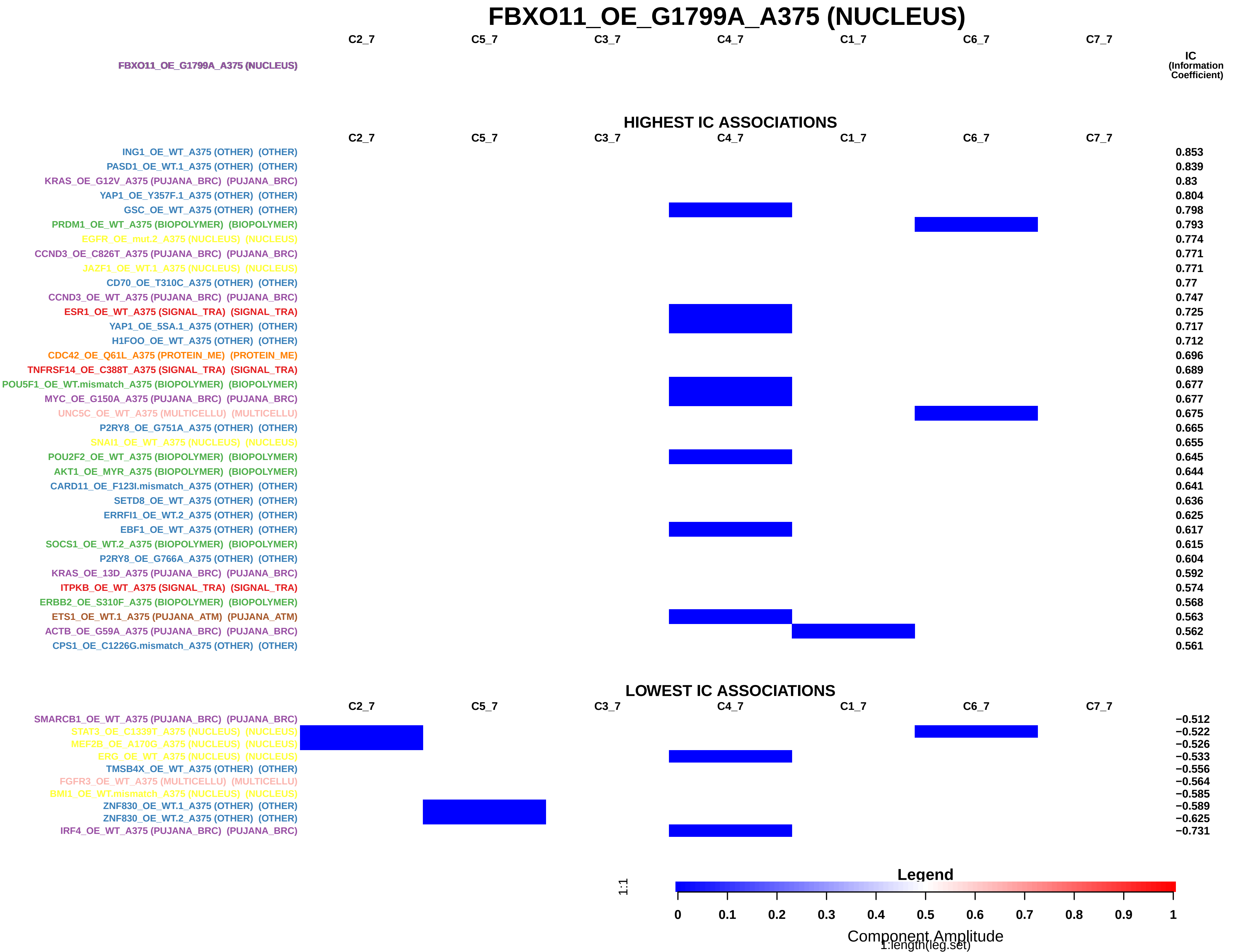


TNFRSF14_OE_T76G_A375 (SIGNAL_TRA)

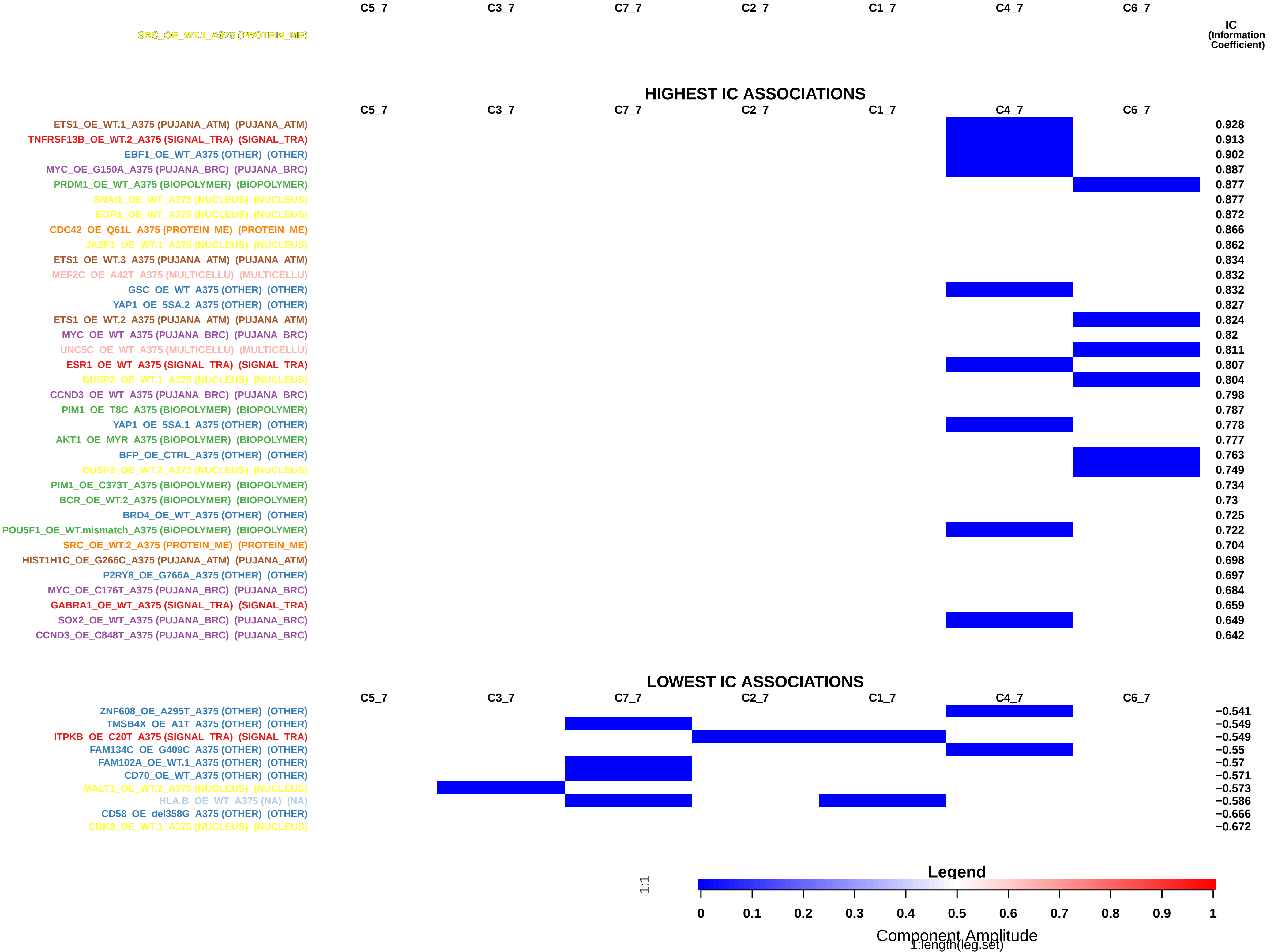


RNF2_OE_WT_A375 (PUJANA_BRC)

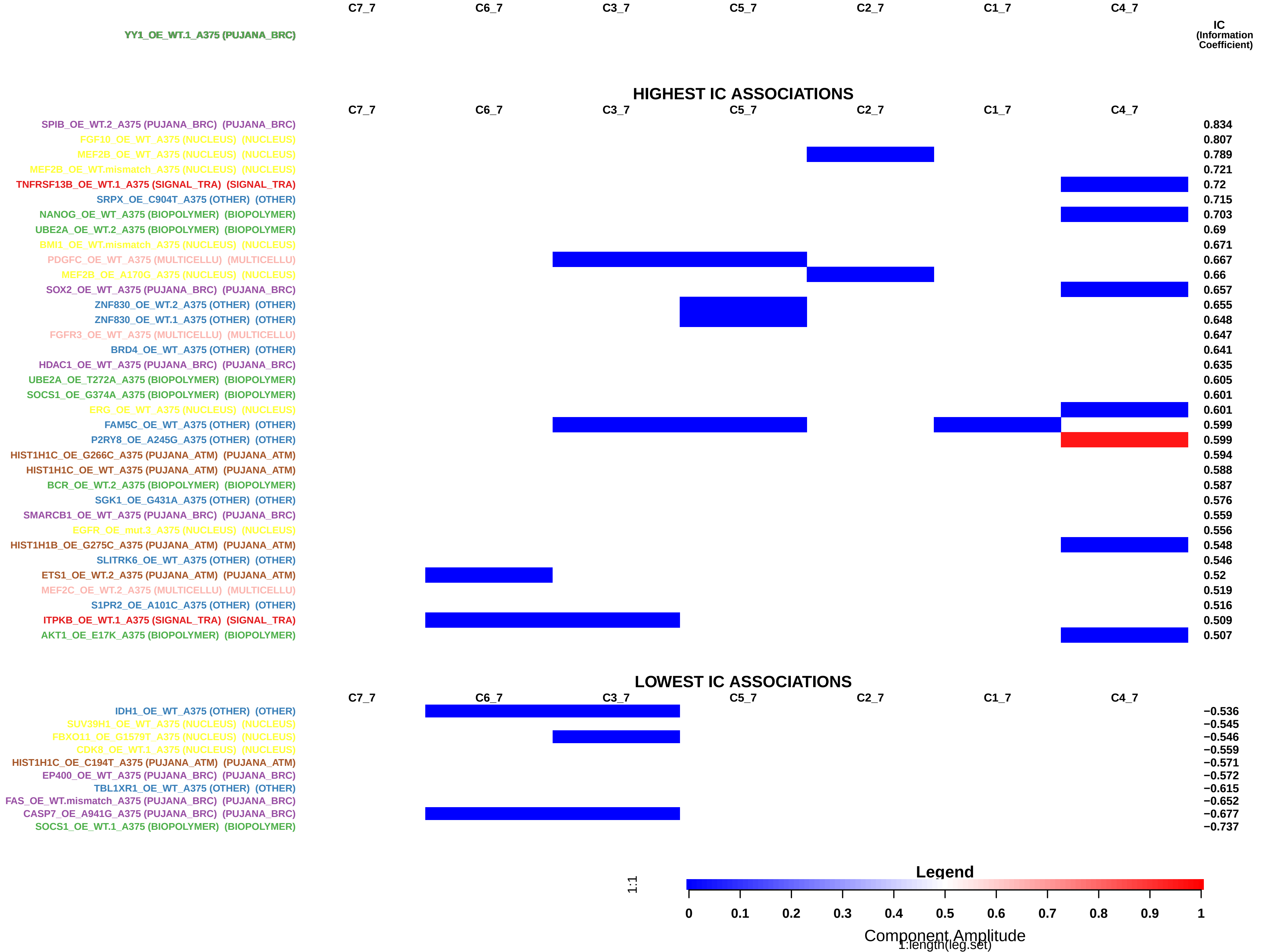


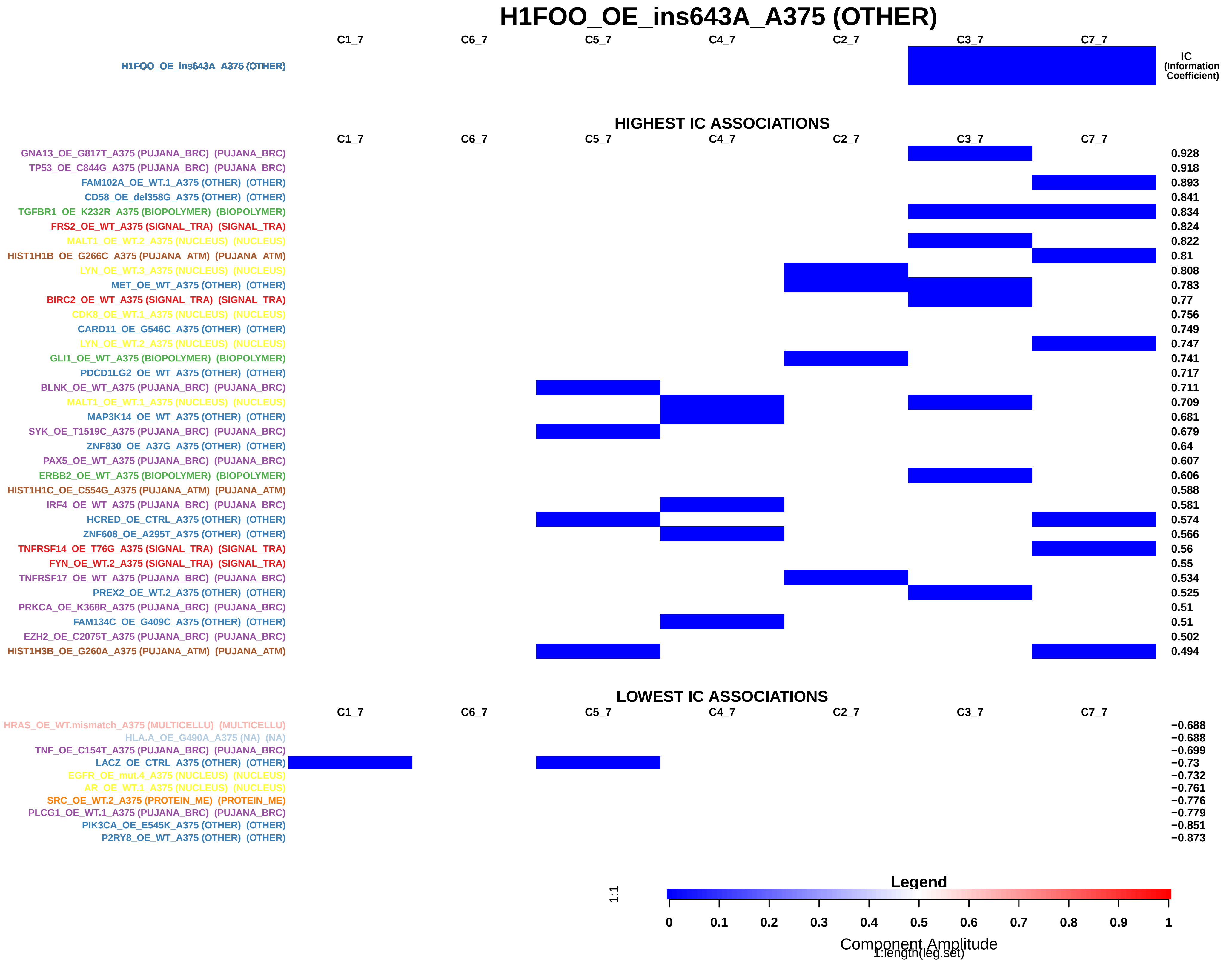

FBXO11_OE_G1799A_A375 (NUCLEUS)
C2_7
C5_7
C3_7
C4_7
C1_7
C6_7
C7_7
FBXO11_OE_G1799A_A375 (NUCLEUS)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
ING1_OE_WT_A375 (OTHER) (OTHER) 0.853
PASD1_OE_WT.1_A375 (OTHER) (OTHER) 0.839
KRAS_OE_G12V_A375 (PUJANA_BRC) (PUJANA_BRC) 0.83
YAP1_OE_Y357F.1_A375 (OTHER) (OTHER) 0.804
GSC_OE_WT_A375 (OTHER) (OTHER) 0.798
PRDM1_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.793
EGFR_OE_mut.2_A375 (NUCLEUS) (NUCLEUS) 0.774
CCND3_OE_C826T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.771
JAZF1_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.771
CD70_OE_T310C_A375 (OTHER) (OTHER) 0.77
CCND3_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.747
ESR1_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.725
YAP1_OE_5SA.1_A375 (OTHER) (OTHER) 0.717
H1FOO_OE_WT_A375 (OTHER) (OTHER) 0.712
CDC42_OE_Q61L_A375 (PROTEIN_ME) (PROTEIN_ME) 0.696
TNFRSF14_OE_C388T_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.689
POU5F1_OE_WT.mismatch_A375 (BIOPOLYMER) (BIOPOLYMER) 0.677
MYC_OE_G150A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.677
UNC5C_OE_WT_A375 (MULTICELLU) (MULTICELLU) 0.675
P2RY8_OE_G751A_A375 (OTHER) (OTHER) 0.665
SNAI1_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.655
POU2F2_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.645
AKT1_OE_MYR_A375 (BIOPOLYMER) (BIOPOLYMER) 0.644
CARD11_OE_F123I.mismatch_A375 (OTHER) (OTHER) 0.641
SETD8_OE_WT_A375 (OTHER) (OTHER) 0.636
ERRFI1_OE_WT.2_A375 (OTHER) (OTHER) 0.625
EBF1_OE_WT_A375 (OTHER) (OTHER) 0.617
SOCS1_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.615
P2RY8_OE_G766A_A375 (OTHER) (OTHER) 0.604
KRAS_OE_13D_A375 (PUJANA_BRC) (PUJANA_BRC) 0.592
ITPKB_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.574
ERBB2_OE_S310F_A375 (BIOPOLYMER) (BIOPOLYMER) 0.568
ETS1_OE_WT.1_A375 (PUJANA_ATM) (PUJANA_ATM) 0.563
ACTB_OE_G59A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.562
CPS1_OE_C1226G.mismatch_A375 (OTHER) (OTHER) 0.561
LOWEST IC ASSOCIATIONS
SMARCB1_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) −0.512
STAT3_OE_C1339T_A375 (NUCLEUS) (NUCLEUS) −0.522
MEF2B_OE_A170G_A375 (NUCLEUS) (NUCLEUS) −0.526
ERG_OE_WT_A375 (NUCLEUS) (NUCLEUS) −0.533
TMSB4X_OE_WT_A375 (OTHER) (OTHER) −0.556
FGFR3_OE_WT_A375 (MULTICELLU) (MULTICELLU) −0.564
BMI1_OE_WT.mismatch_A375 (NUCLEUS) (NUCLEUS) −0.585
ZNF830_OE_WT.1_A375 (OTHER) (OTHER) −0.589
ZNF830_OE_WT.2_A375 (OTHER) (OTHER) −0.625
IRF4_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) −0.731
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

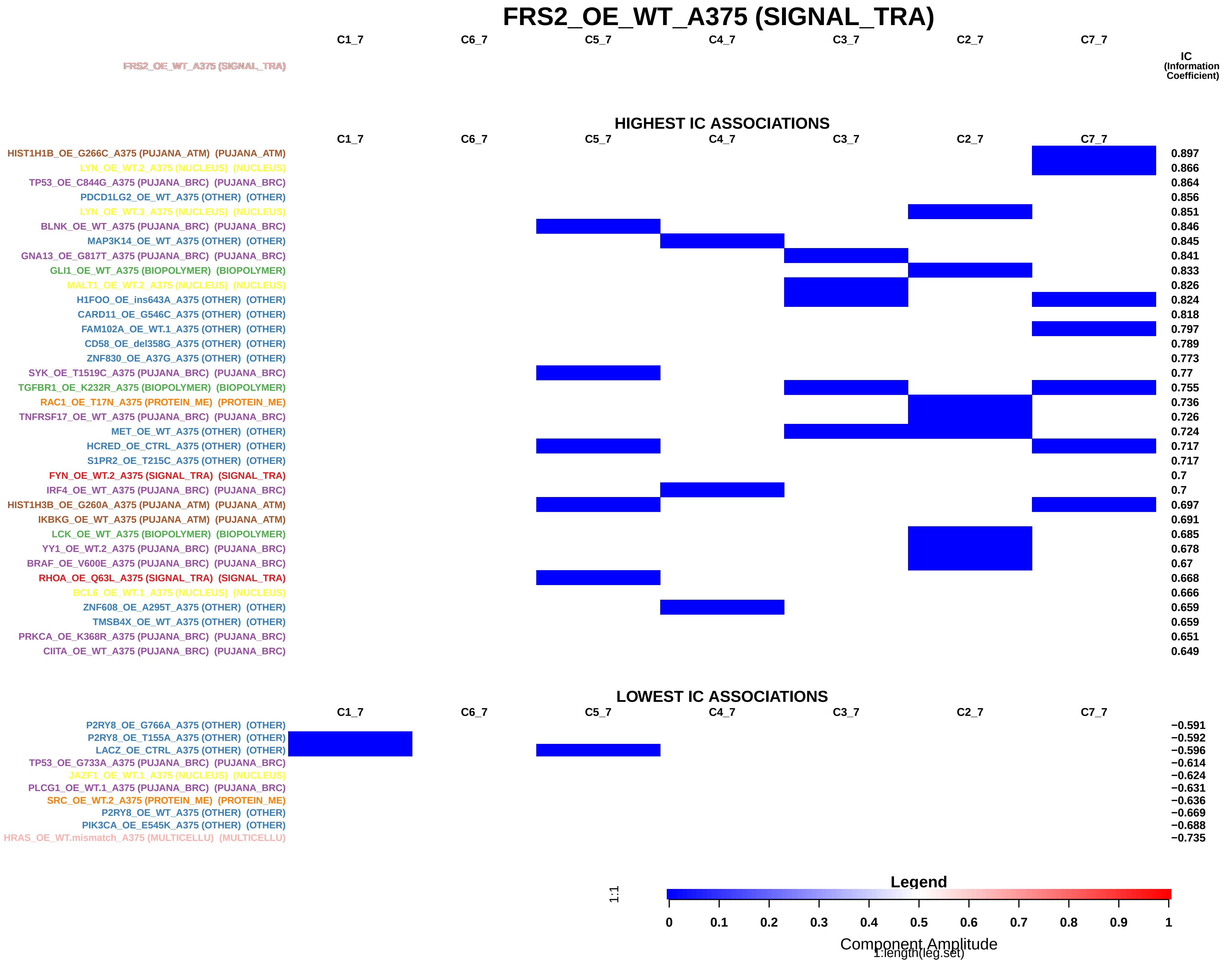
SRC_OE_WT.1_A375 (PROTEIN_ME)



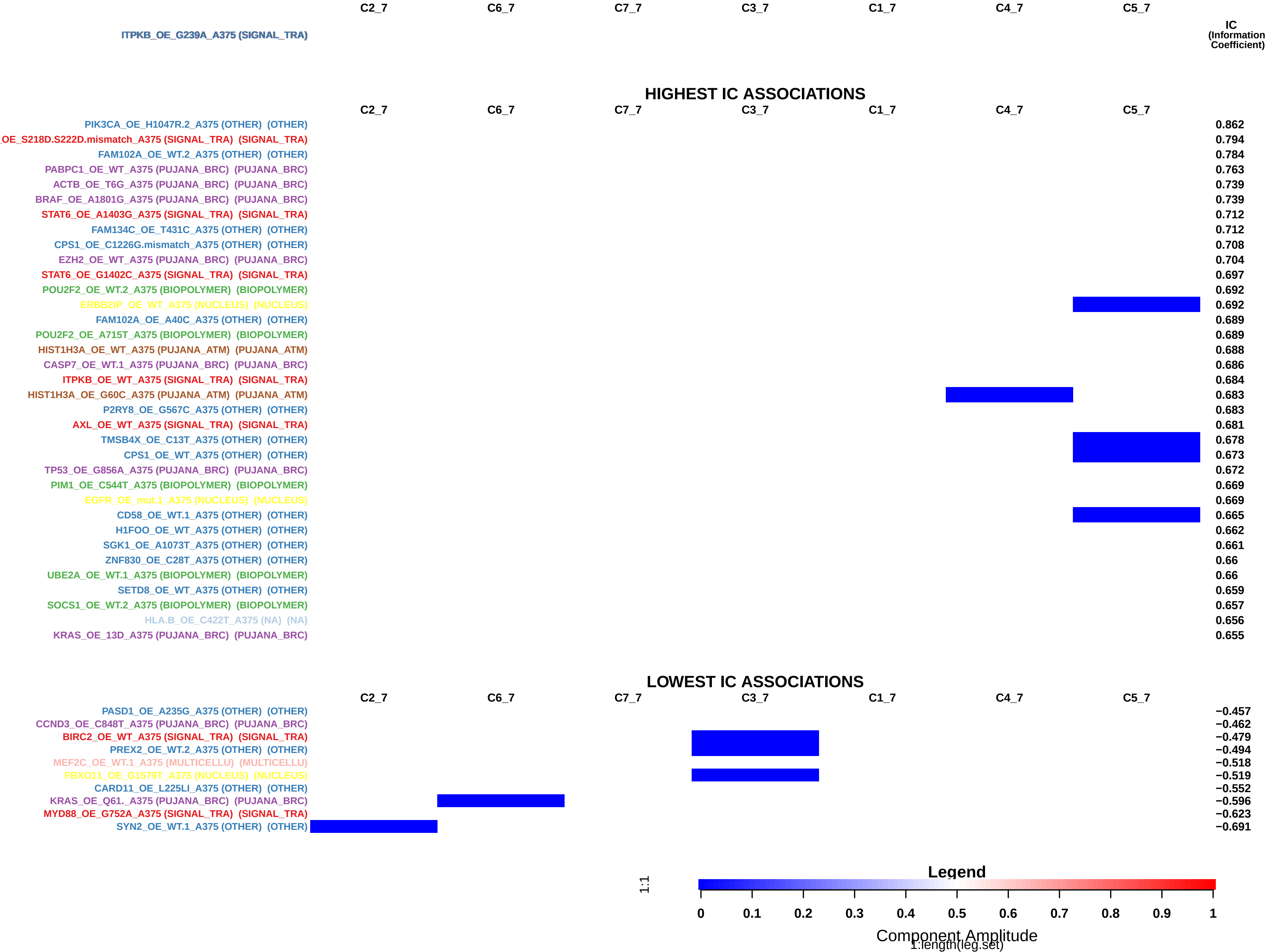
YY1_OE_WT.1_A375 (PUJANA_BRC)



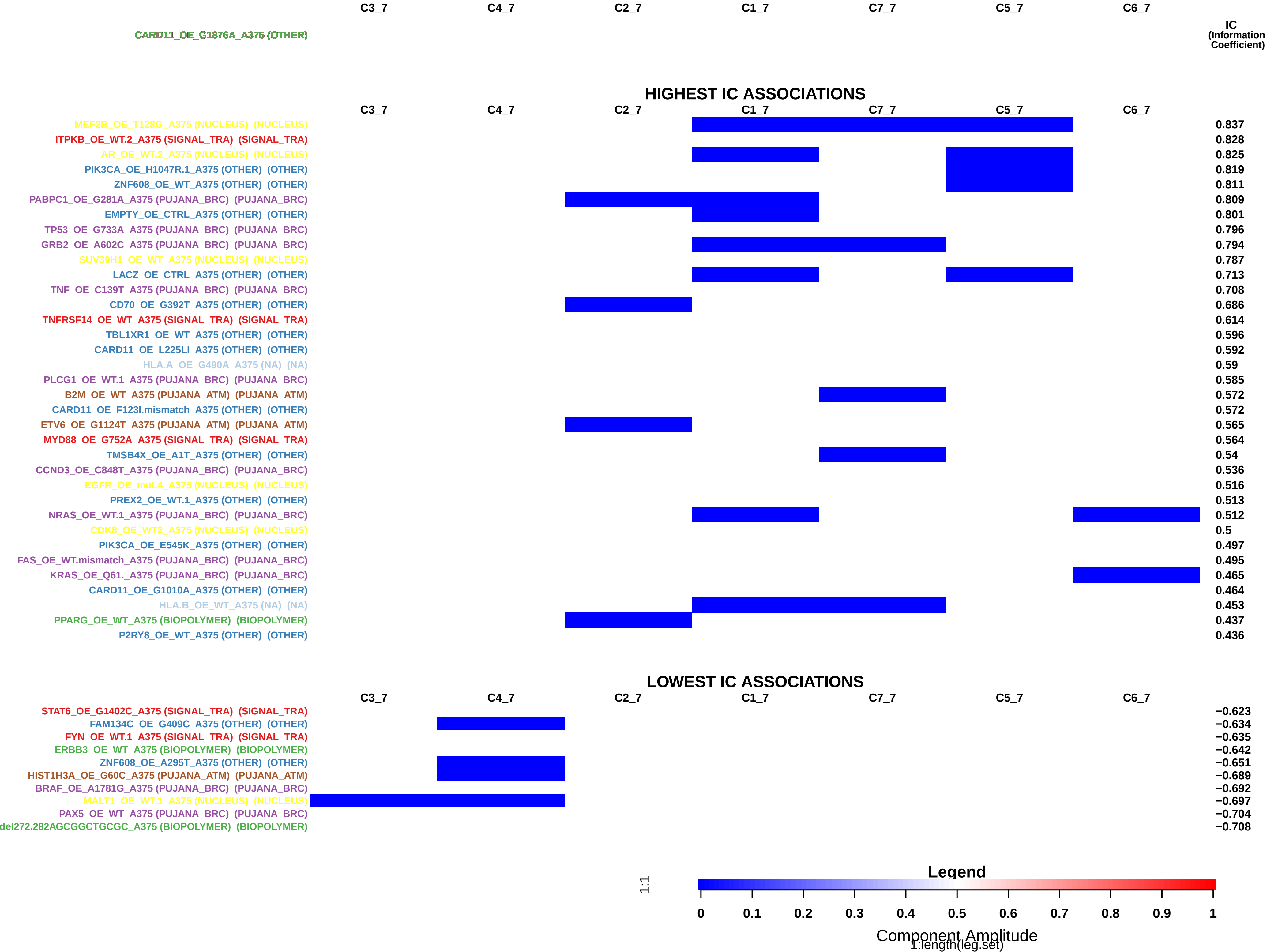

H1FOO_OE_ins643A_A375 (OTHER)
C1_7
C6_7
C5_7
C4_7
C2_7
C3_7
C7_7
H1FOO_OE_ins643A_A375 (OTHER)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
C1_7
C6_7
C5_7
C4_7
C2_7
C3_7
C7_7
GNA13_OE_G817T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.928
TP53_OE_C844G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.918
FAM102A_OE_WT.1_A375 (OTHER) (OTHER) 0.893
CD58_OE_del358G_A375 (OTHER) (OTHER) 0.841
TGFBR1_OE_K232R_A375 (BIOPOLYMER) (BIOPOLYMER) 0.834
FRS2_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.824
MALT1_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.822
HIST1H1B_OE_G266C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.81
LYN_OE_WT.3_A375 (NUCLEUS) (NUCLEUS) 0.808
MET_OE_WT_A375 (OTHER) (OTHER) 0.783
BIRC2_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.77
CDK8_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.756
CARD11_OE_G546C_A375 (OTHER) (OTHER) 0.749
LYN_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.747
GLI1_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.741
PDCD1LG2_OE_WT_A375 (OTHER) (OTHER) 0.717
BLNK_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.711
MALT1_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.709
MAP3K14_OE_WT_A375 (OTHER) (OTHER) 0.681
SYK_OE_T1519C_A375 (PUJANA_BRC) (PUJANA_BRC) 0.679
ZNF830_OE_A37G_A375 (OTHER) (OTHER) 0.64
PAX5_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.607
ERBB2_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.606
HIST1H1C_OE_C554G_A375 (PUJANA_ATM) (PUJANA_ATM) 0.588
IRF4_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.581
HCRED_OE_CTRL_A375 (OTHER) (OTHER) 0.574
ZNF608_OE_A295T_A375 (OTHER) (OTHER) 0.566
TNFRSF14_OE_T76G_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.56
FYN_OE_WT.2_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.55
TNFRSF17_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.534
PREX2_OE_WT.2_A375 (OTHER) (OTHER) 0.525
PRKCA_OE_K368R_A375 (PUJANA_BRC) (PUJANA_BRC) 0.51
FAM134C_OE_G409C_A375 (OTHER) (OTHER) 0.51
EZH2_OE_C2075T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.502
HIST1H3B_OE_G260A_A375 (PUJANA_ATM) (PUJANA_ATM) 0.494
LOWEST IC ASSOCIATIONS
C1_7
C6_7
C5_7
C4_7
C2_7
C3_7
C7_7
HRAS_OE_WT.mismatch_A375 (MULTICELLU) (MULTICELLU) −0.688
HLA.A_OE_G490A_A375 (NA) (NA) −0.688
TNF_OE_C154T_A375 (PUJANA_BRC) (PUJANA_BRC) −0.699
LACZ_OE_CTRL_A375 (OTHER) (OTHER) −0.73
EGFR_OE_mut.4_A375 (NUCLEUS) (NUCLEUS) −0.732
AR_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) −0.761
SRC_OE_WT.2_A375 (PROTEIN_ME) (PROTEIN_ME) −0.776
PLCG1_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) −0.779
PIK3CA_OE_E545K_A375 (OTHER) (OTHER) −0.851
P2RY8_OE_WT_A375 (OTHER) (OTHER) −0.873
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)


FRS2_OE_WT_A375 (SIGNAL_TRA)
C1_7
C6_7
C5_7
C4_7
C3_7
C2_7
C7_7
FRS2_OE_WT_A375 (SIGNAL_TRA)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
HIST1H1B_OE_G266C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.897
LYN_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.866
TP53_OE_C844G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.864
PDCD1LG2_OE_WT_A375 (OTHER) (OTHER) 0.856
LYN_OE_WT.3_A375 (NUCLEUS) (NUCLEUS) 0.851
BLNK_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.846
MAP3K14_OE_WT_A375 (OTHER) (OTHER) 0.845
GNA13_OE_G817T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.841
GLI1_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.833
MALT1_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.826
H1FOO_OE_ins643A_A375 (OTHER) (OTHER) 0.824
CARD11_OE_G546C_A375 (OTHER) (OTHER) 0.818
FAM102A_OE_WT.1_A375 (OTHER) (OTHER) 0.797
CD58_OE_del358G_A375 (OTHER) (OTHER) 0.789
ZNF830_OE_A37G_A375 (OTHER) (OTHER) 0.773
SYK_OE_T1519C_A375 (PUJANA_BRC) (PUJANA_BRC) 0.77
TGFBR1_OE_K232R_A375 (BIOPOLYMER) (BIOPOLYMER) 0.755
RAC1_OE_T17N_A375 (PROTEIN_ME) (PROTEIN_ME) 0.736
TNFRSF17_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.726
MET_OE_WT_A375 (OTHER) (OTHER) 0.724
HCRED_OE_CTRL_A375 (OTHER) (OTHER) 0.717
S1PR2_OE_T215C_A375 (OTHER) (OTHER) 0.717
FYN_OE_WT.2_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.7
IRF4_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.7
HIST1H3B_OE_G260A_A375 (PUJANA_ATM) (PUJANA_ATM) 0.697
IKBKG_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.691
LCK_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.685
YY1_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.678
BRAF_OE_V600E_A375 (PUJANA_BRC) (PUJANA_BRC) 0.67
RHOA_OE_Q63L_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.668
BCL6_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.666
ZNF608_OE_A295T_A375 (OTHER) (OTHER) 0.659
TMSB4X_OE_WT_A375 (OTHER) (OTHER) 0.659
PRKCA_OE_K368R_A375 (PUJANA_BRC) (PUJANA_BRC) 0.651
CIITA_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.649
LOWEST IC ASSOCIATIONS
P2RY8_OE_G766A_A375 (OTHER) (OTHER) −0.591
P2RY8_OE_T155A_A375 (OTHER) (OTHER) −0.592
LACZ_OE_CTRL_A375 (OTHER) (OTHER) −0.596
TP53_OE_G733A_A375 (PUJANA_BRC) (PUJANA_BRC) −0.614
JAZF1_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) −0.624
PLCG1_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) −0.631
SRC_OE_WT.2_A375 (PROTEIN_ME) (PROTEIN_ME) −0.636
P2RY8_OE_WT_A375 (OTHER) (OTHER) −0.669
PIK3CA_OE_E545K_A375 (OTHER) (OTHER) −0.688
HRAS_OE_WT.mismatch_A375 (MULTICELLU) (MULTICELLU) −0.735
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

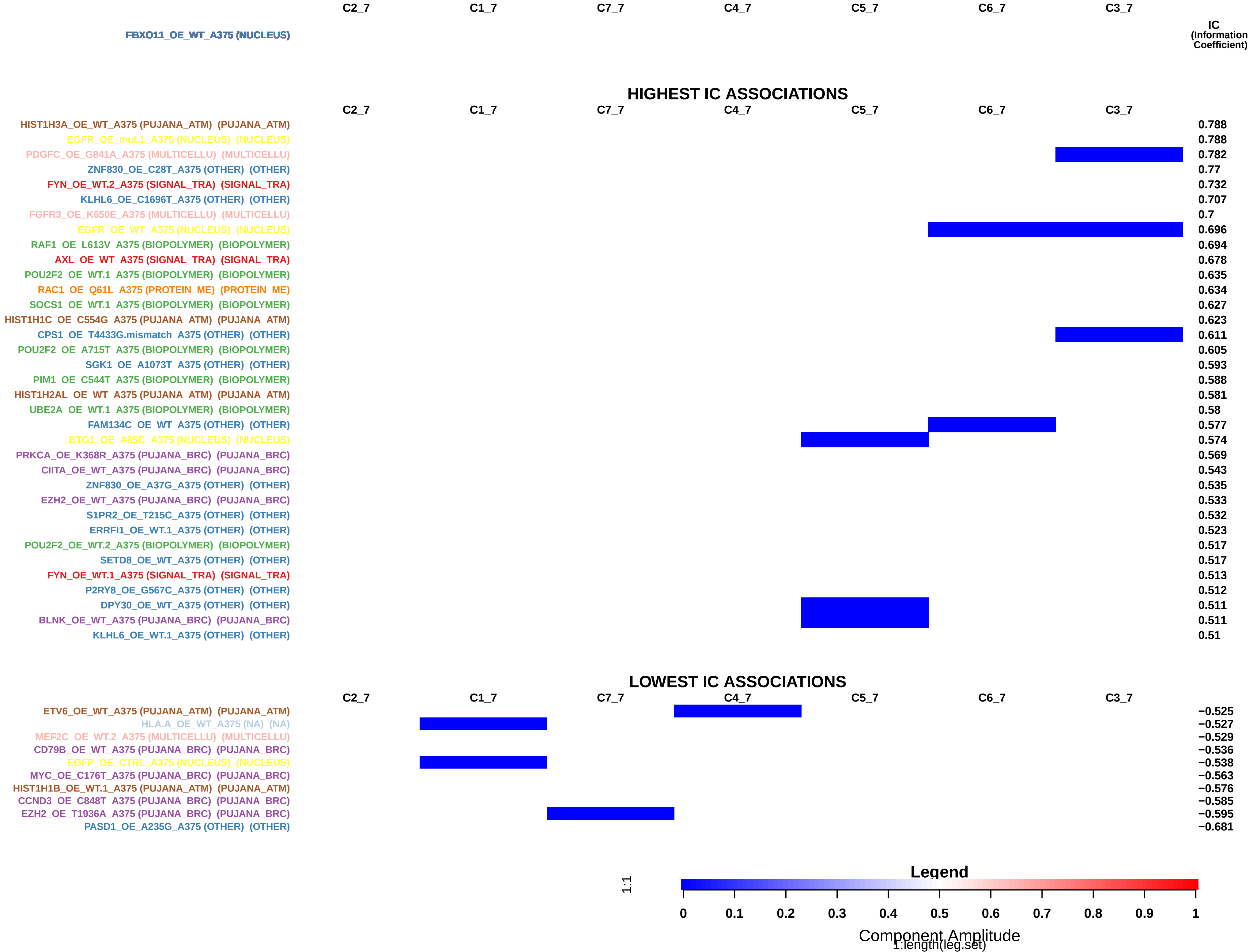
ITPKB_OE_G239A_A375 (SIGNAL_TRA)



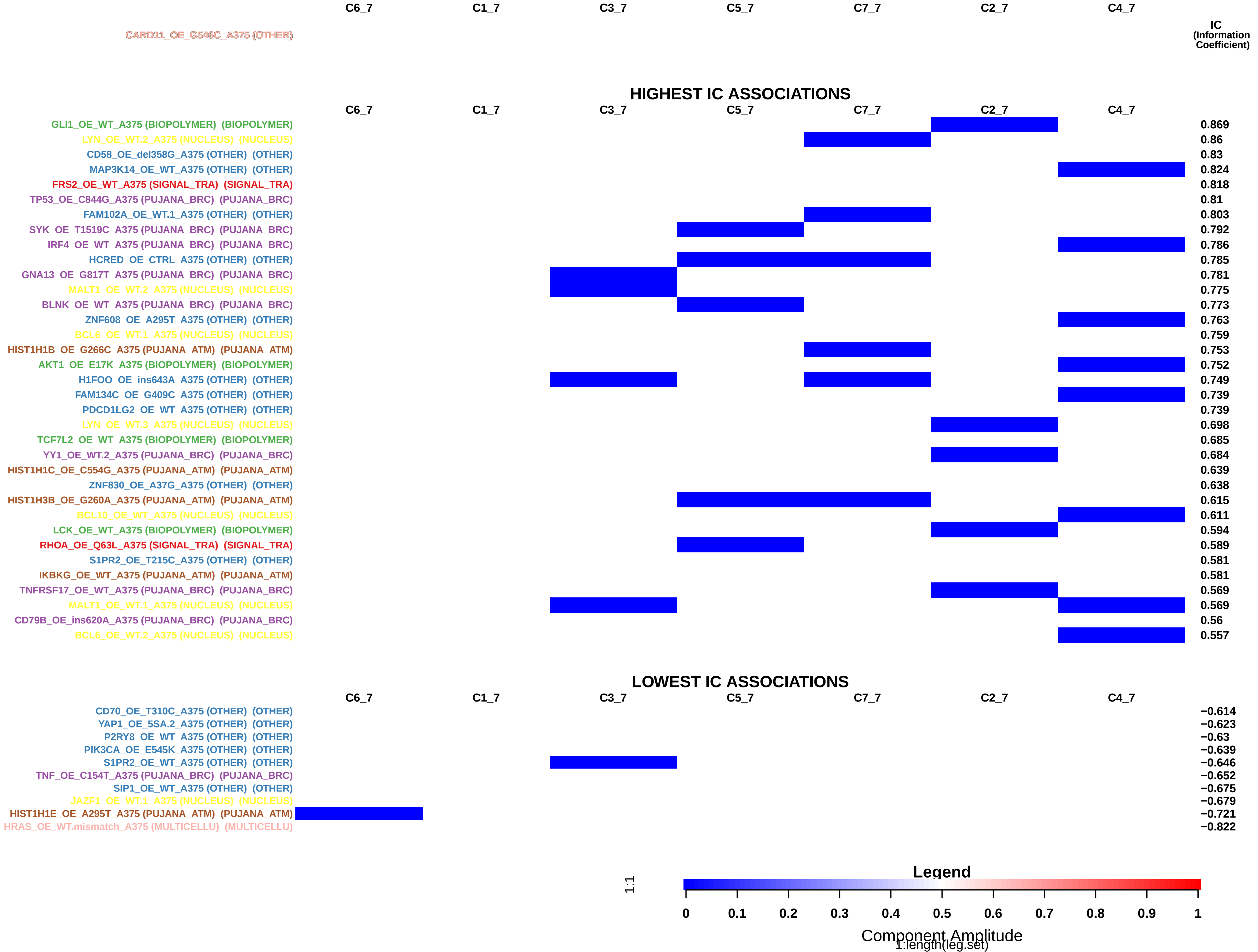
CARD11_OE_G1876A_A375 (OTHER)



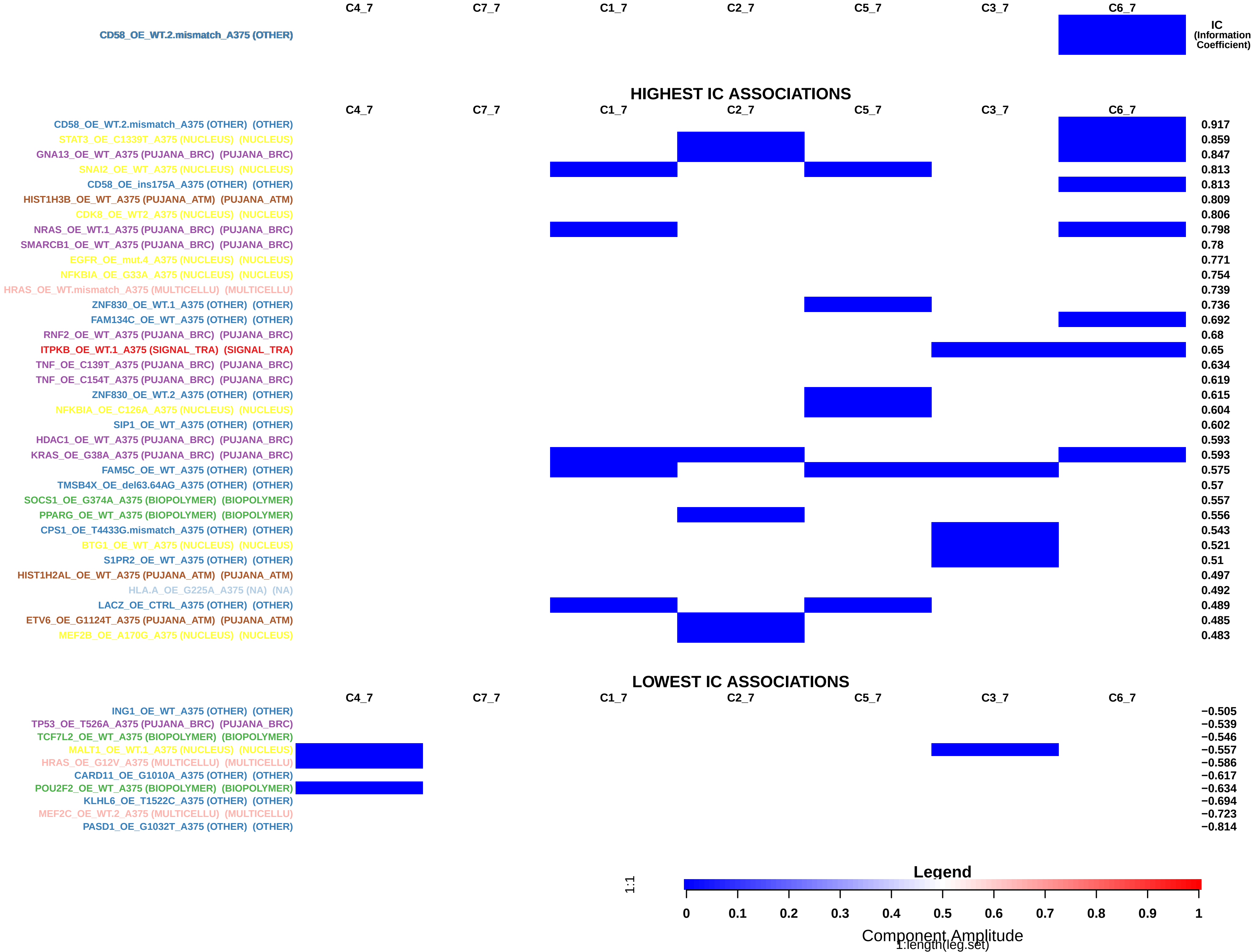
FBXO11_OE_WT_A375 (NUCLEUS)



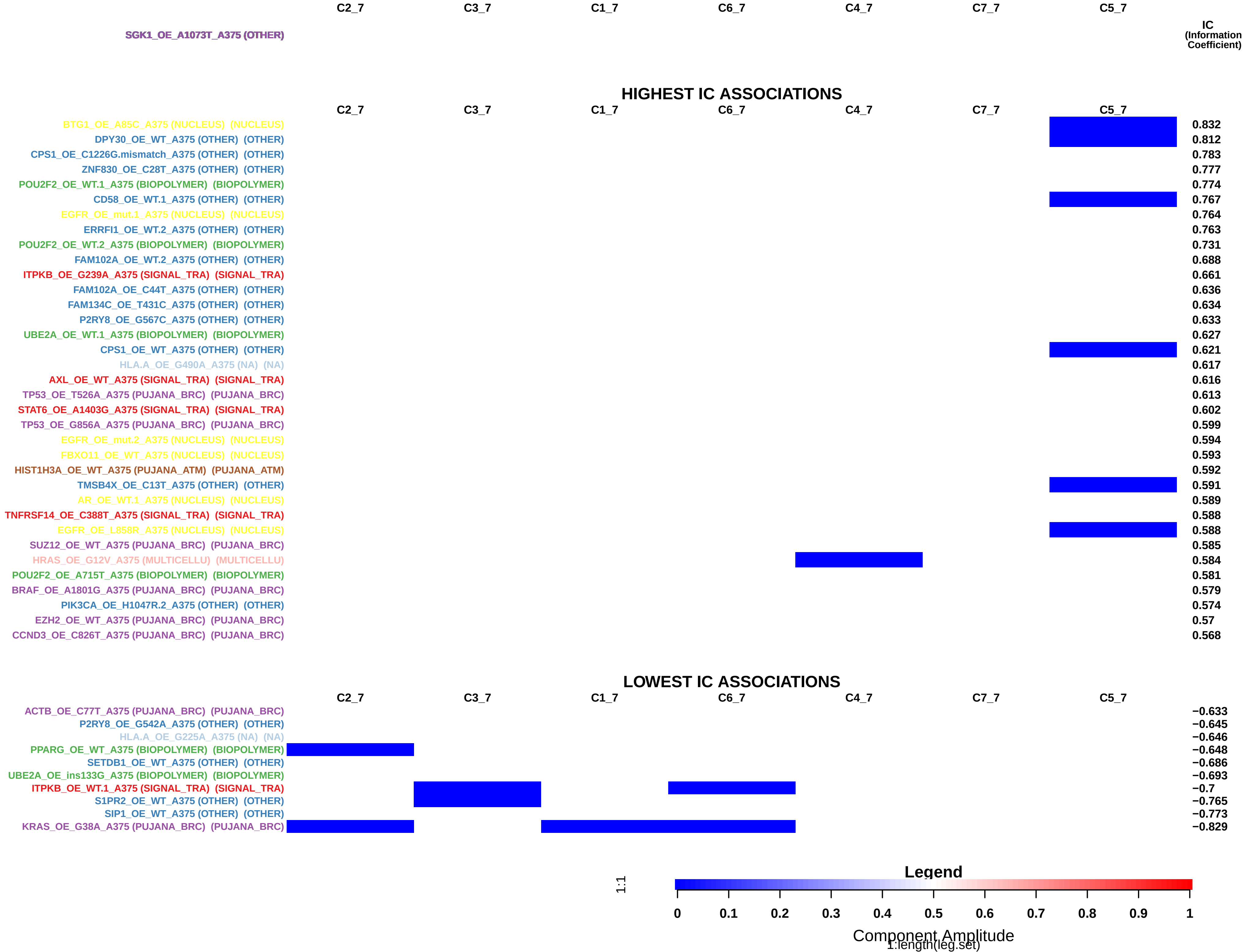
CARD11_OE_G546C_A375 (OTHER)



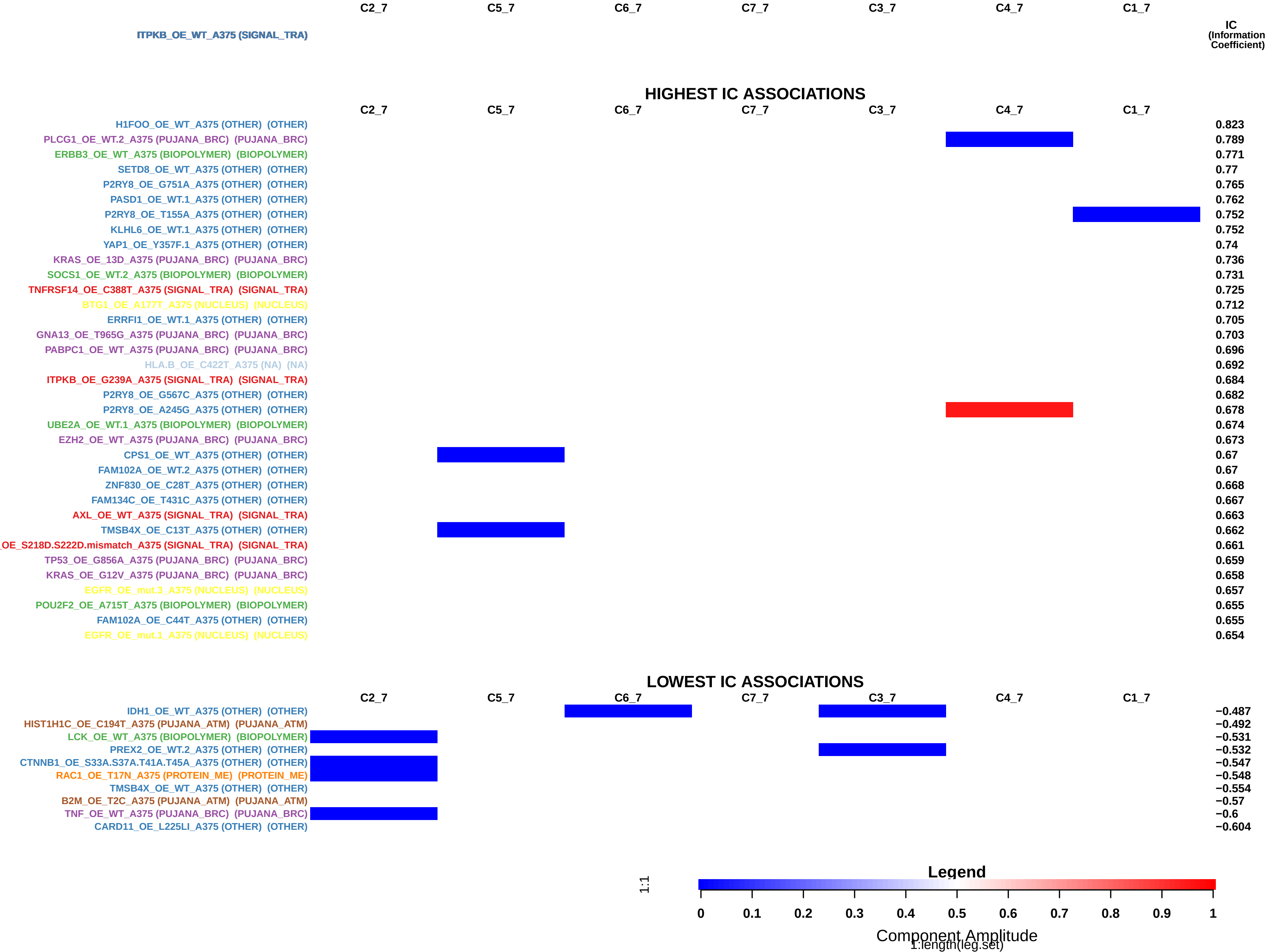
CD58_OE_WT.2.mismatch_A375 (OTHER)



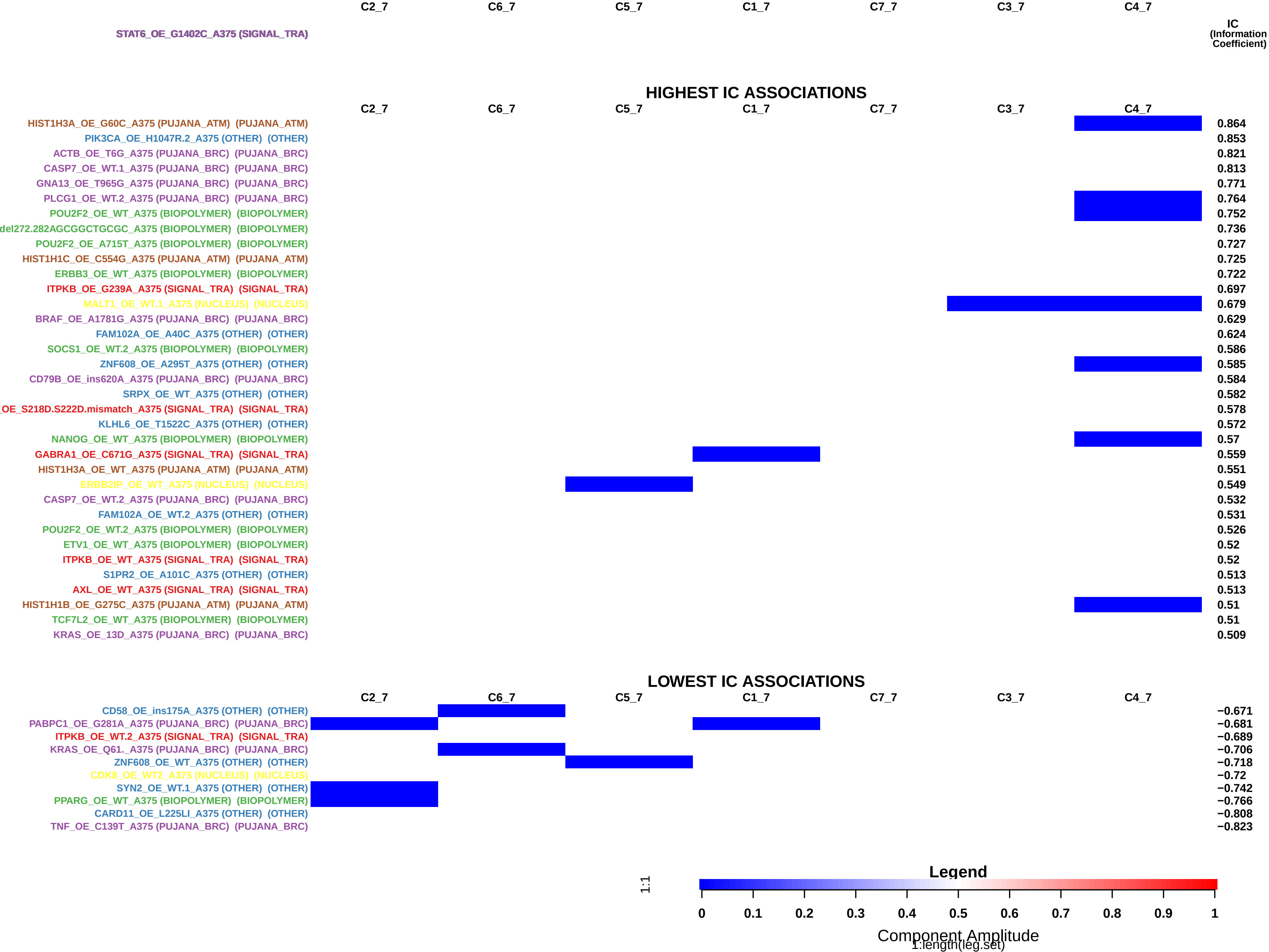
SGK1_OE_A1073T_A375 (OTHER)

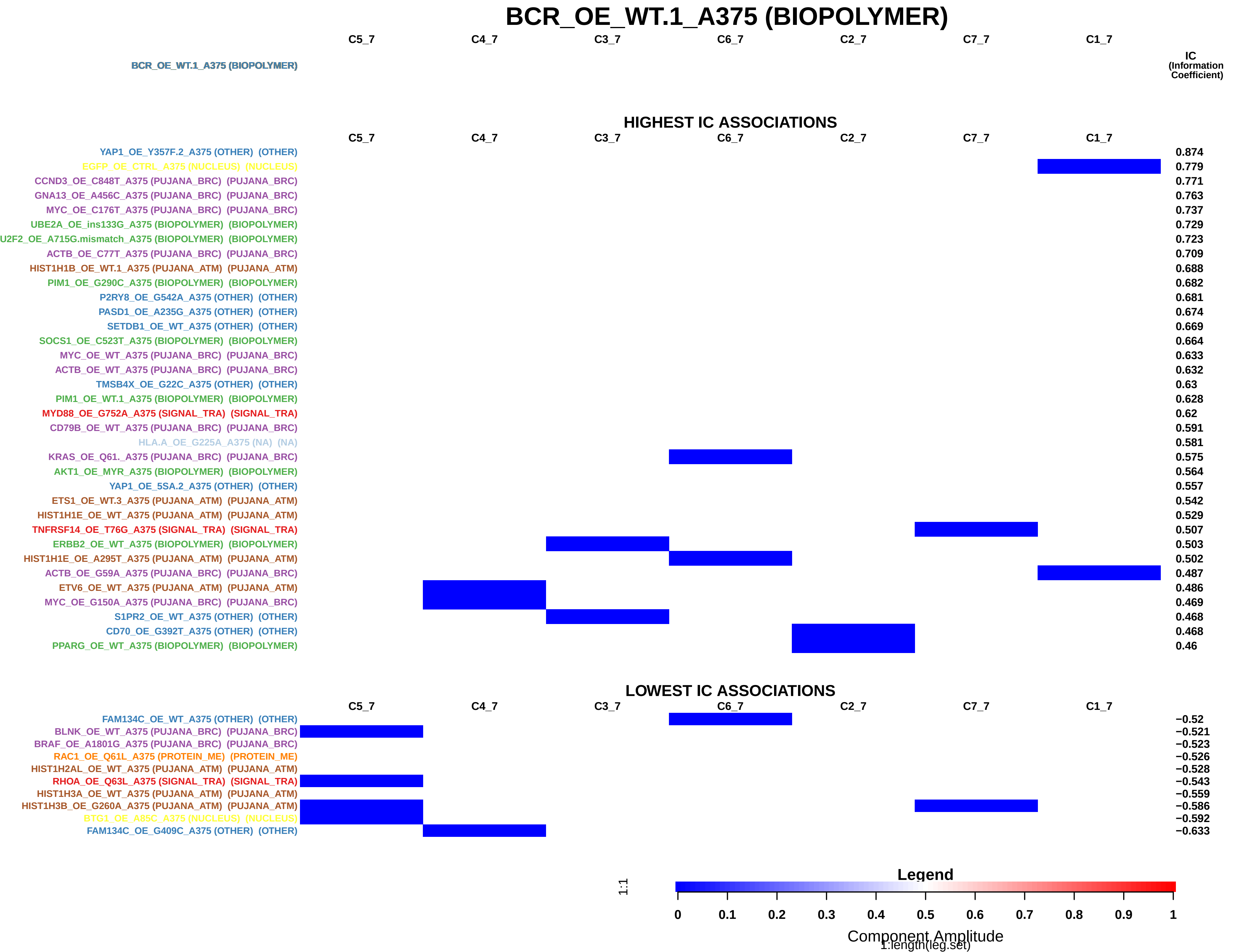


ITPKB_OE_WT_A375 (SIGNAL_TRA)

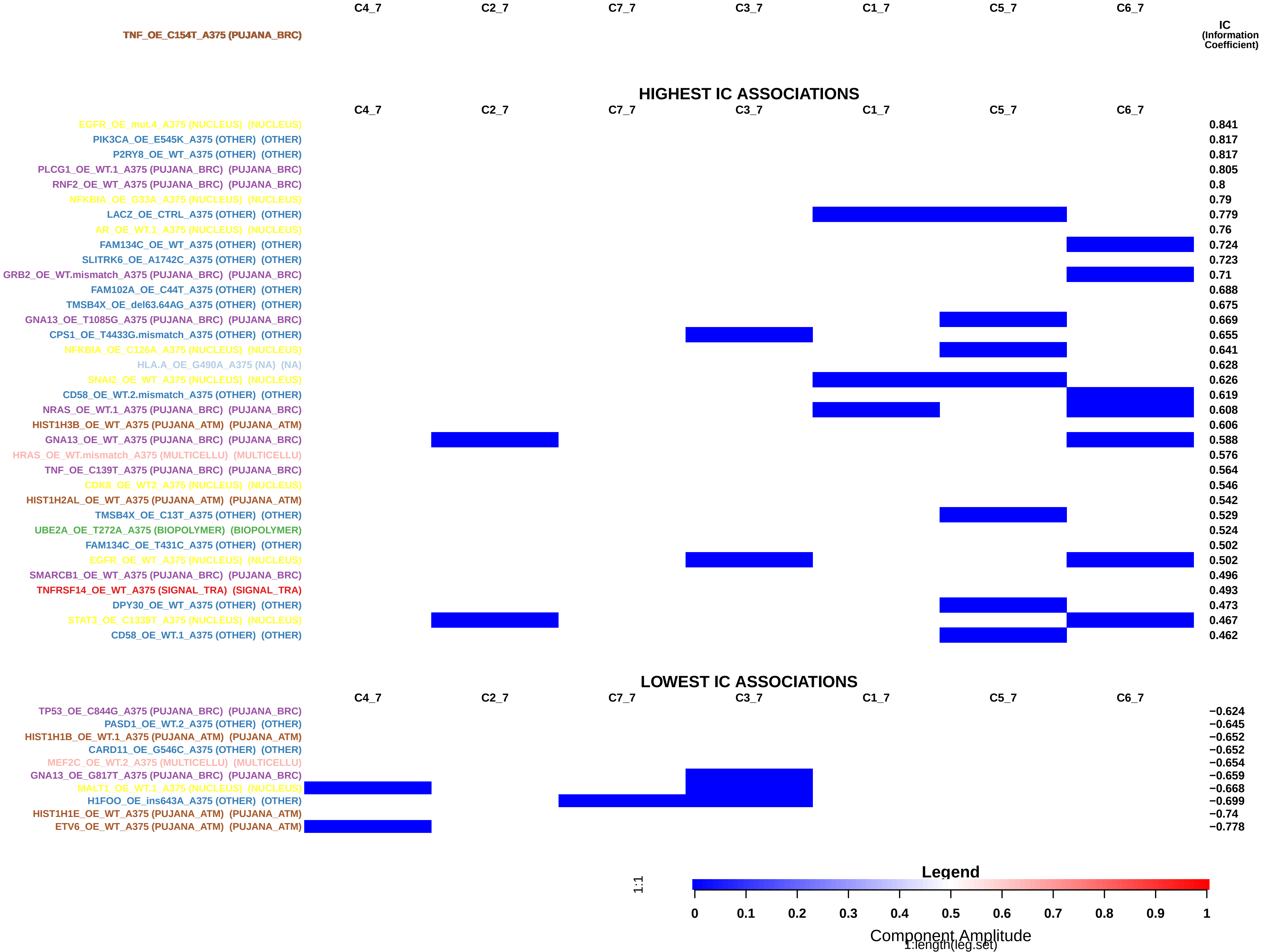


STAT6_OE_G1402C_A375 (SIGNAL_TRA)

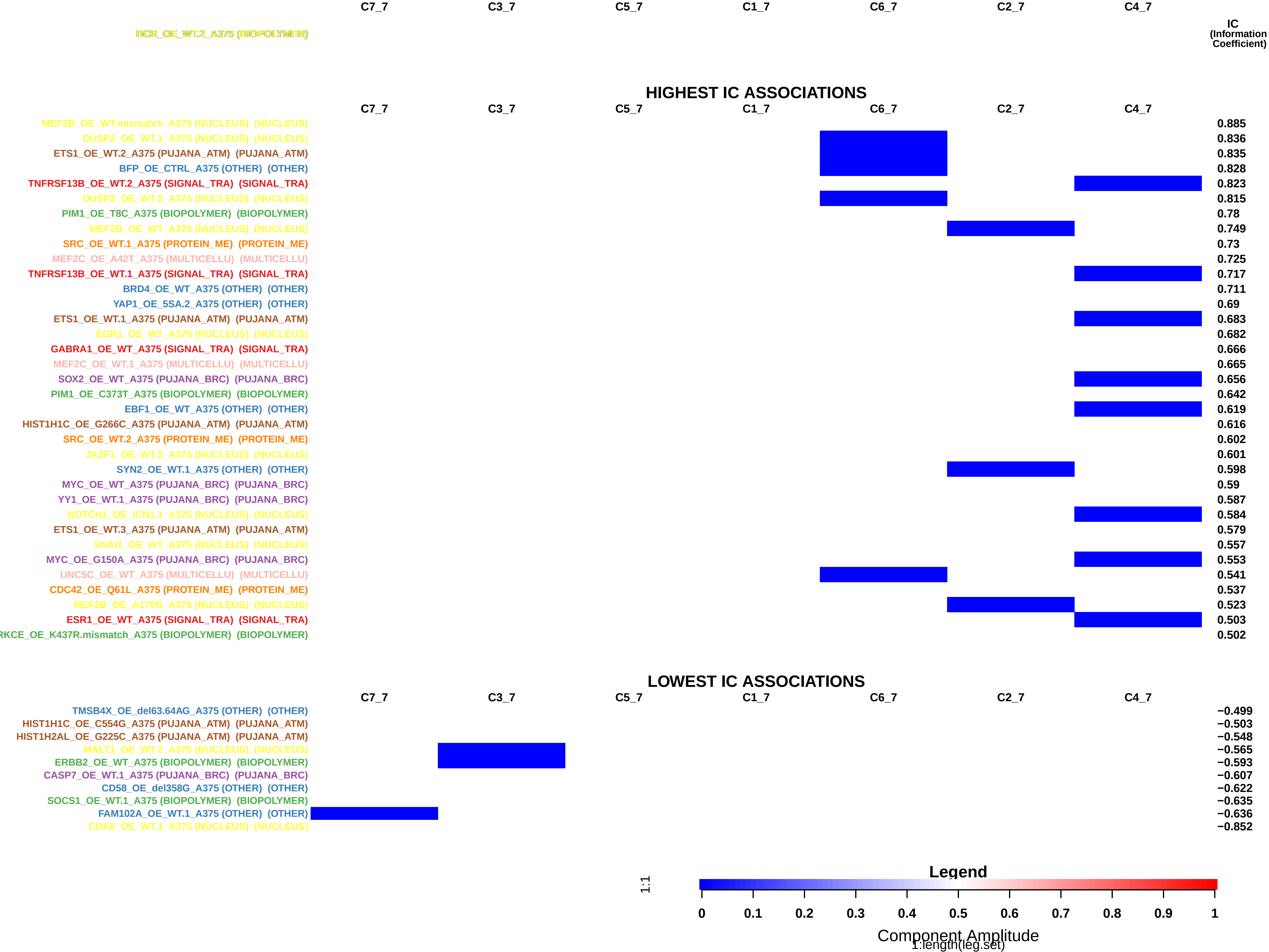



BCR_OE_WT.1_A375 (BIOPOLYMER)
C5_7
C4_7
C3_7
C6_7
C2_7
C7_7
C1_7
BCR_OE_WT.1_A375 (BIOPOLYMER)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
YAP1_OE_Y357F.2_A375 (OTHER) (OTHER) 0.874
EGFP_OE_CTRL_A375 (NUCLEUS) (NUCLEUS) 0.779
CCND3_OE_C848T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.771
GNA13_OE_A456C_A375 (PUJANA_BRC) (PUJANA_BRC) 0.763
MYC_OE_C176T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.737
UBE2A_OE_ins133G_A375 (BIOPOLYMER) (BIOPOLYMER) 0.729
U2F2_OE_A715G.mismatch_A375 (BIOPOLYMER) (BIOPOLYMER) 0.723
ACTB_OE_C77T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.709
HIST1H1B_OE_WT.1_A375 (PUJANA_ATM) (PUJANA_ATM) 0.688
PIM1_OE_G290C_A375 (BIOPOLYMER) (BIOPOLYMER) 0.682
P2RY8_OE_G542A_A375 (OTHER) (OTHER) 0.681
PASD1_OE_A235G_A375 (OTHER) (OTHER) 0.674
SETDB1_OE_WT_A375 (OTHER) (OTHER) 0.669
SOCS1_OE_C523T_A375 (BIOPOLYMER) (BIOPOLYMER) 0.664
MYC_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.633
ACTB_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.632
TMSB4X_OE_G22C_A375 (OTHER) (OTHER) 0.63
PIM1_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) 0.628
MYD88_OE_G752A_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.62
CD79B_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.591
HLA.A_OE_G225A_A375 (NA) (NA) 0.581
KRAS_OE_Q61._A375 (PUJANA_BRC) (PUJANA_BRC) 0.575
AKT1_OE_MYR_A375 (BIOPOLYMER) (BIOPOLYMER) 0.564
YAP1_OE_5SA.2_A375 (OTHER) (OTHER) 0.557
ETS1_OE_WT.3_A375 (PUJANA_ATM) (PUJANA_ATM) 0.542
HIST1H1E_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.529
TNFRSF14_OE_T76G_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.507
ERBB2_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.503
HIST1H1E_OE_A295T_A375 (PUJANA_ATM) (PUJANA_ATM) 0.502
ACTB_OE_G59A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.487
ETV6_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.486
MYC_OE_G150A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.469
S1PR2_OE_WT_A375 (OTHER) (OTHER) 0.468
CD70_OE_G392T_A375 (OTHER) (OTHER) 0.468
PPARG_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.46
LOWEST IC ASSOCIATIONS
FAM134C_OE_WT_A375 (OTHER) (OTHER) −0.52
BLNK_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) −0.521
BRAF_OE_A1801G_A375 (PUJANA_BRC) (PUJANA_BRC) −0.523
RAC1_OE_Q61L_A375 (PROTEIN_ME) (PROTEIN_ME) −0.526
HIST1H2AL_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) −0.528
RHOA_OE_Q63L_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.543
HIST1H3A_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) −0.559
HIST1H3B_OE_G260A_A375 (PUJANA_ATM) (PUJANA_ATM) −0.586
BTG1_OE_A85C_A375 (NUCLEUS) (NUCLEUS) −0.592
FAM134C_OE_G409C_A375 (OTHER) (OTHER) −0.633
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

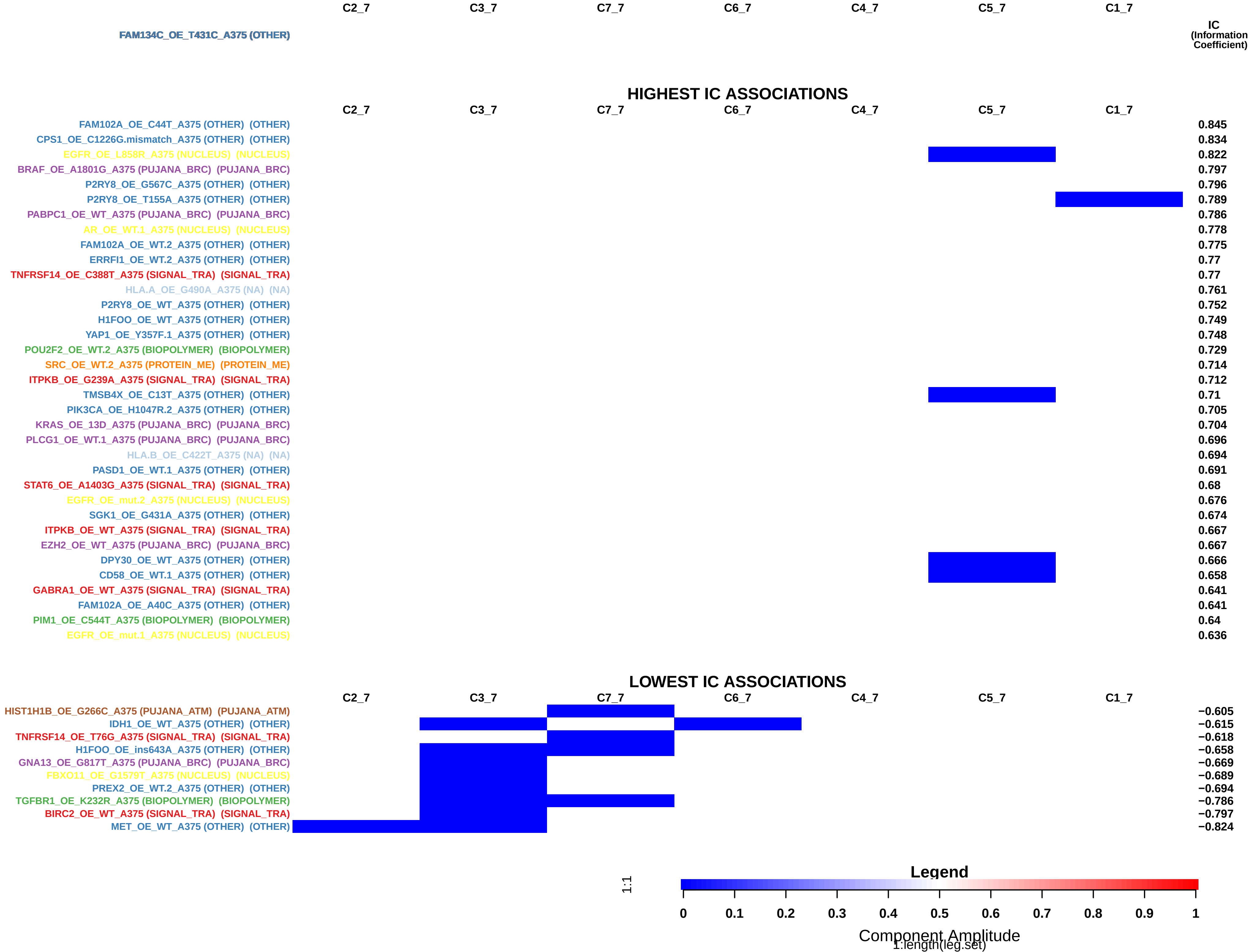
TNF_OE_C154T_A375 (PUJANA_BRC)

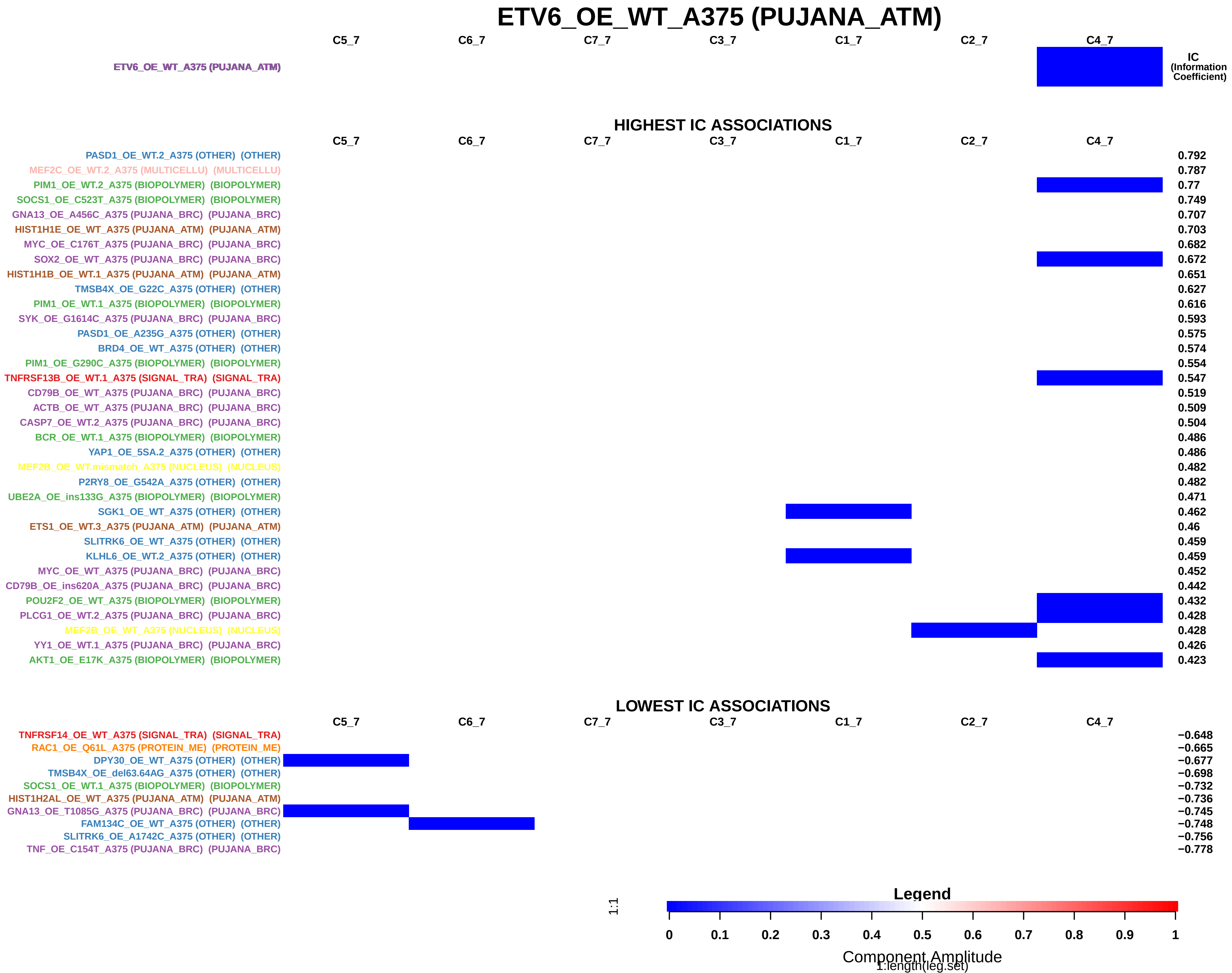


BCR_OE_WT.2_A375 (BIOPOLYMER)

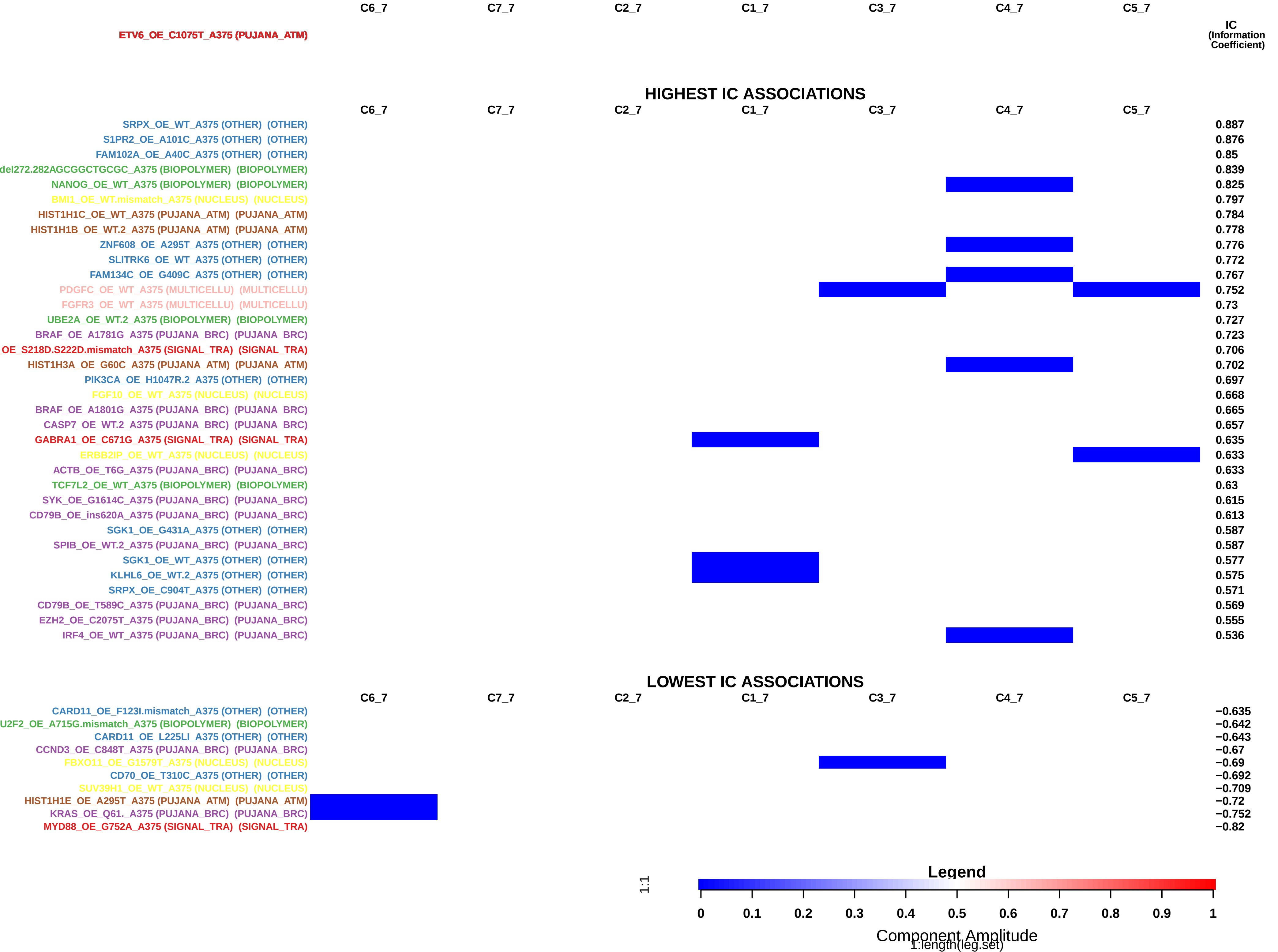


FAM134C_OE_T431C_A375 (OTHER)

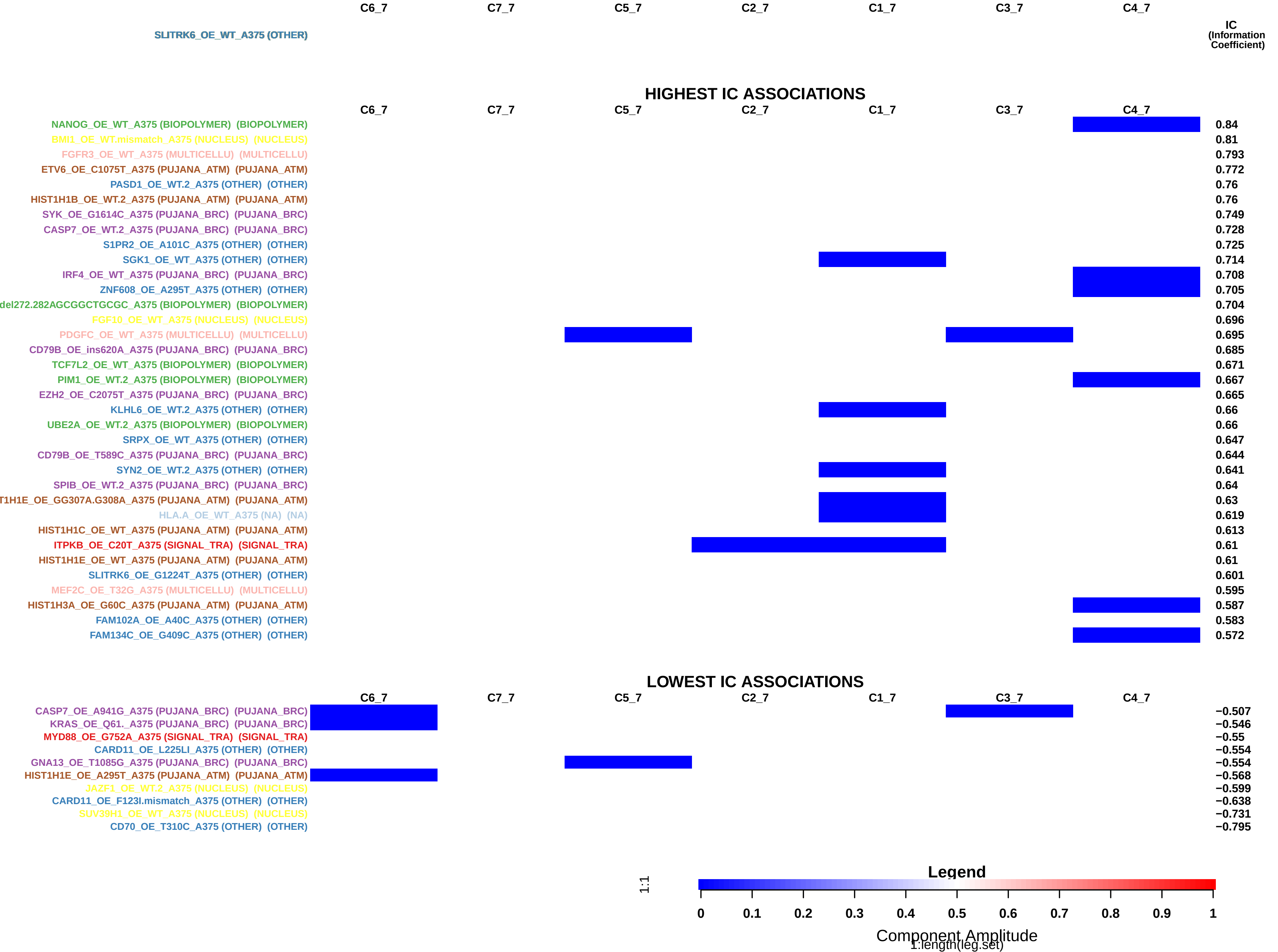



ETV6_OE_WT_A375 (PUJANA_ATM)
C5_7
C6_7
C7_7
C3_7
C1_7
C2_7
C4_7
ETV6_OE_WT_A375 (PUJANA_ATM)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
C5_7
C6_7
C7_7
C3_7
C1_7
C2_7
C4_7
PASD1_OE_WT.2_A375 (OTHER) (OTHER) 0.792
MEF2C_OE_WT.2_A375 (MULTICELLU) (MULTICELLU) 0.787
PIM1_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.77
SOCS1_OE_C523T_A375 (BIOPOLYMER) (BIOPOLYMER) 0.749
GNA13_OE_A456C_A375 (PUJANA_BRC) (PUJANA_BRC) 0.707
HIST1H1E_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.703
MYC_OE_C176T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.682
SOX2_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.672
HIST1H1B_OE_WT.1_A375 (PUJANA_ATM) (PUJANA_ATM) 0.651
TMSB4X_OE_G22C_A375 (OTHER) (OTHER) 0.627
PIM1_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) 0.616
SYK_OE_G1614C_A375 (PUJANA_BRC) (PUJANA_BRC) 0.593
PASD1_OE_A235G_A375 (OTHER) (OTHER) 0.575
BRD4_OE_WT_A375 (OTHER) (OTHER) 0.574
PIM1_OE_G290C_A375 (BIOPOLYMER) (BIOPOLYMER) 0.554
TNFRSF13B_OE_WT.1_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.547
CD79B_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.519
ACTB_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.509
CASP7_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.504
BCR_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) 0.486
YAP1_OE_5SA.2_A375 (OTHER) (OTHER) 0.486
MEF2B_OE_WT.mismatch_A375 (NUCLEUS) (NUCLEUS) 0.482
P2RY8_OE_G542A_A375 (OTHER) (OTHER) 0.482
UBE2A_OE_ins133G_A375 (BIOPOLYMER) (BIOPOLYMER) 0.471
SGK1_OE_WT_A375 (OTHER) (OTHER) 0.462
ETS1_OE_WT.3_A375 (PUJANA_ATM) (PUJANA_ATM) 0.46
SLITRK6_OE_WT_A375 (OTHER) (OTHER) 0.459
KLHL6_OE_WT.2_A375 (OTHER) (OTHER) 0.459
MYC_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.452
CD79B_OE_ins620A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.442
POU2F2_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.432
PLCG1_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.428
MEF2B_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.428
YY1_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) 0.426
AKT1_OE_E17K_A375 (BIOPOLYMER) (BIOPOLYMER) 0.423
LOWEST IC ASSOCIATIONS
C5_7
C6_7
C7_7
C3_7
C1_7
C2_7
C4_7
TNFRSF14_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.648
RAC1_OE_Q61L_A375 (PROTEIN_ME) (PROTEIN_ME) −0.665
DPY30_OE_WT_A375 (OTHER) (OTHER) −0.677
TMSB4X_OE_del63.64AG_A375 (OTHER) (OTHER) −0.698
SOCS1_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) −0.732
HIST1H2AL_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) −0.736
GNA13_OE_T1085G_A375 (PUJANA_BRC) (PUJANA_BRC) −0.745
FAM134C_OE_WT_A375 (OTHER) (OTHER) −0.748
SLITRK6_OE_A1742C_A375 (OTHER) (OTHER) −0.756
TNF_OE_C154T_A375 (PUJANA_BRC) (PUJANA_BRC) −0.778
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

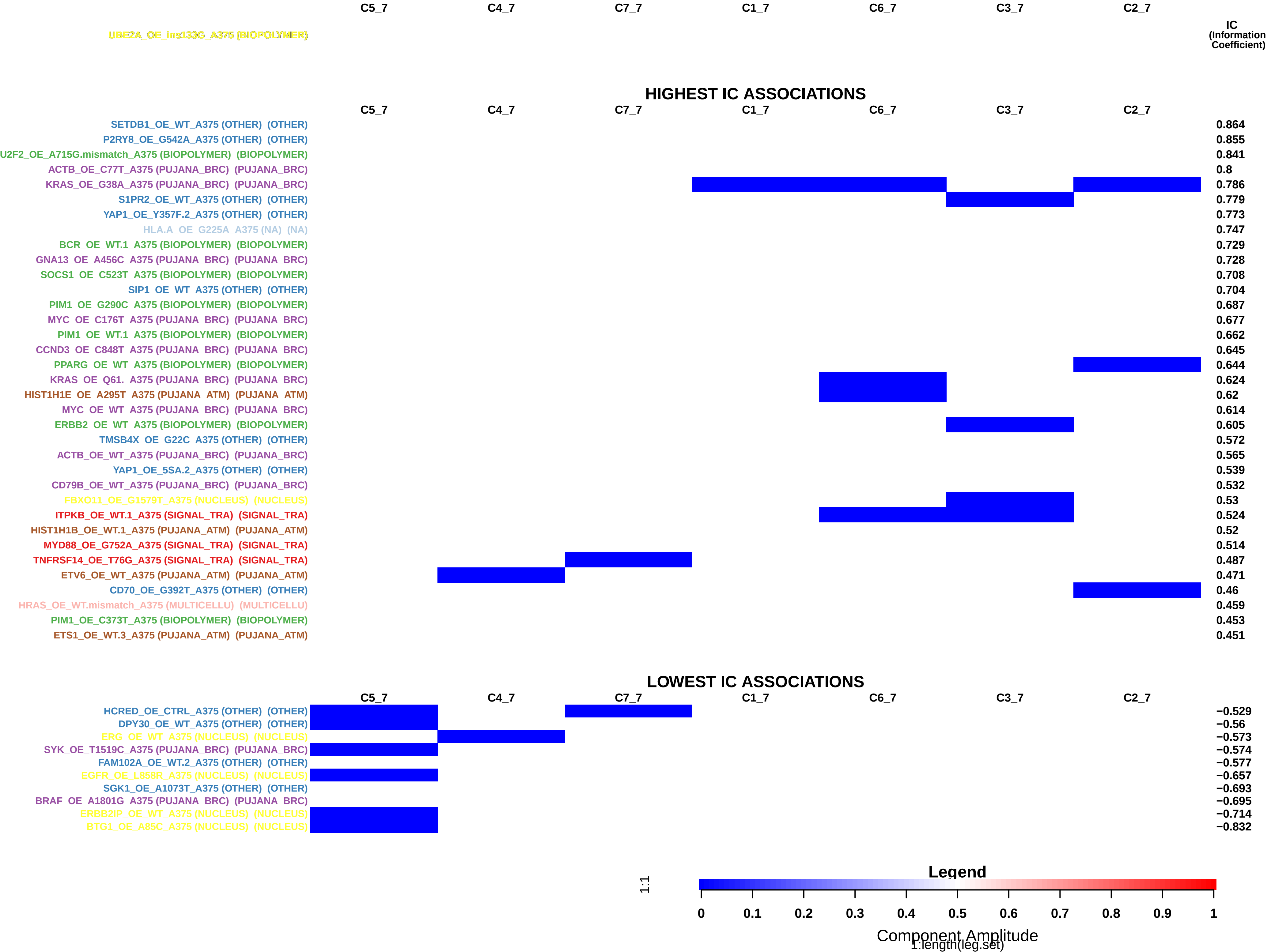
ETV6_OE_C1075T_A375 (PUJANA_ATM)



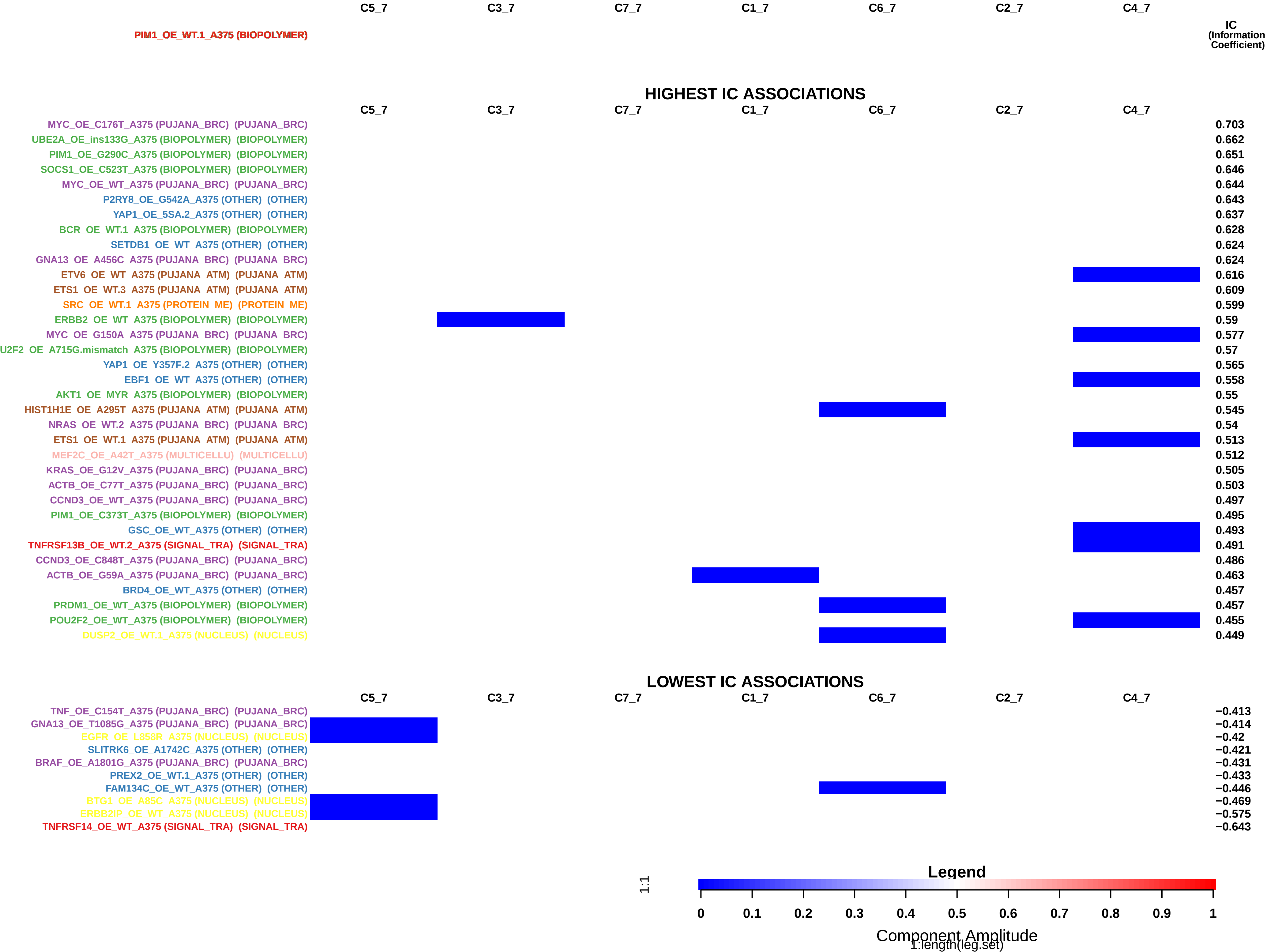
SLITRK6_OE_WT_A375 (OTHER)



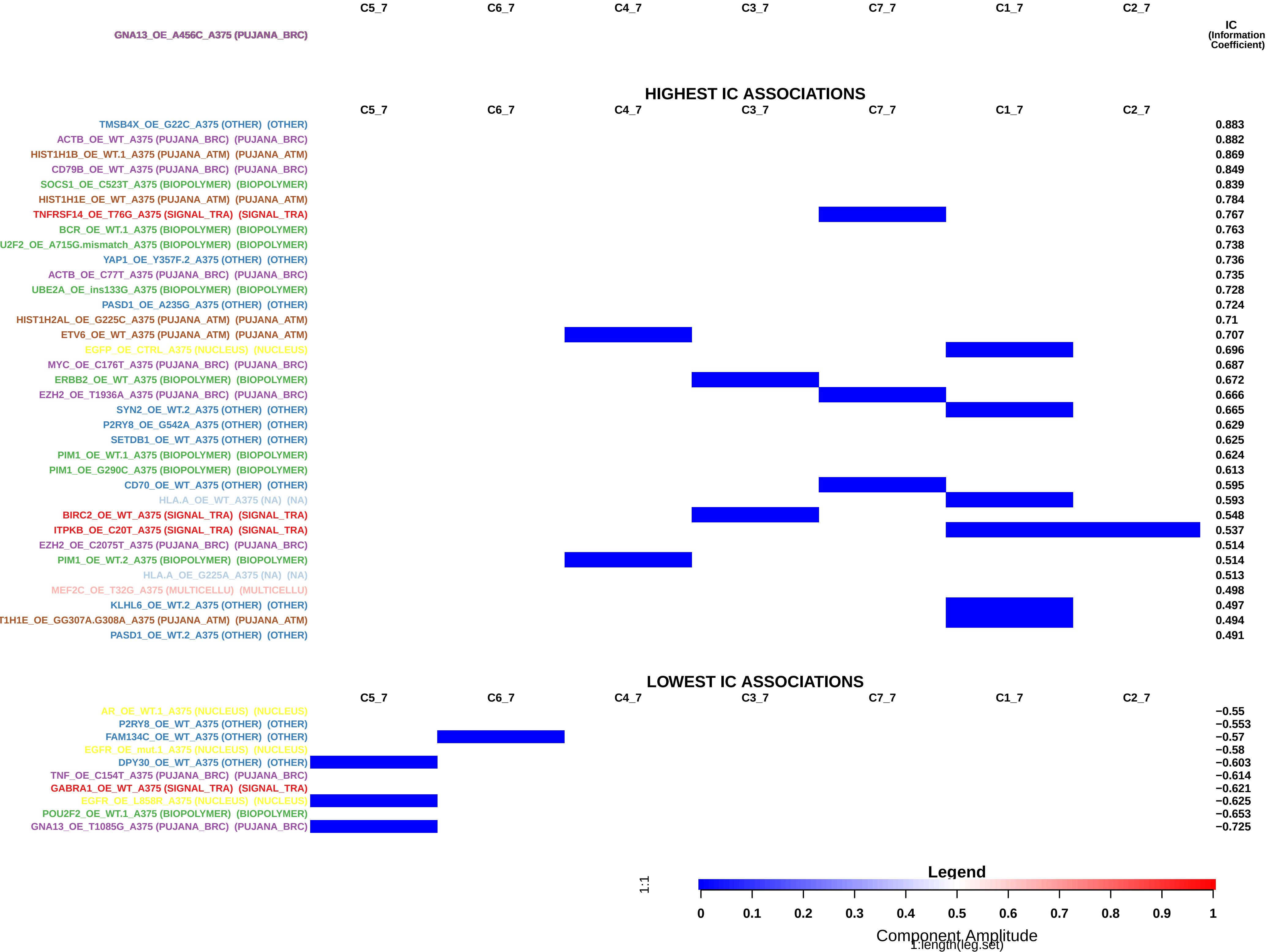
UBE2A_OE_ins133G_A375 (BIOPOLYMER)



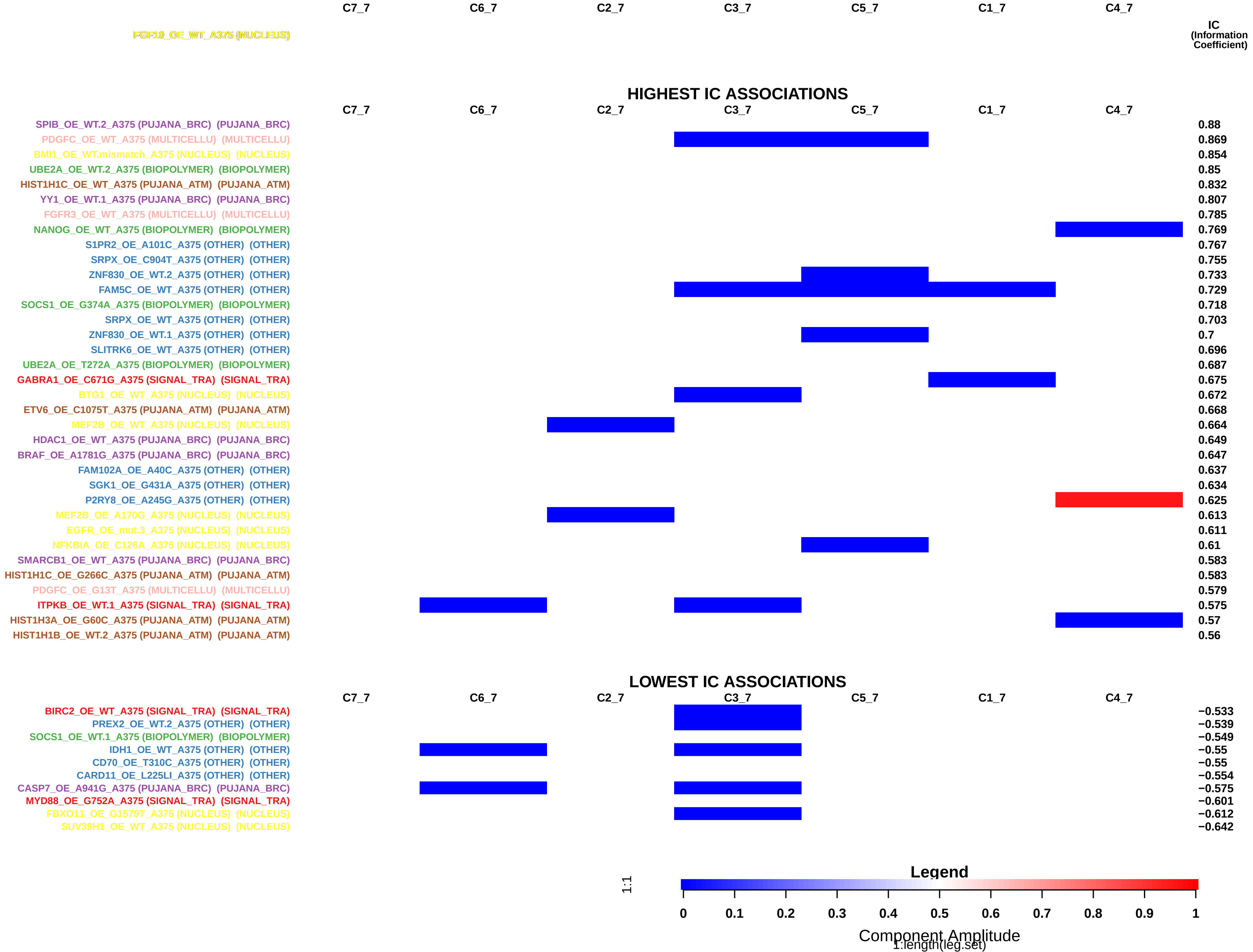
PIM1_OE_WT.1_A375 (BIOPOLYMER)



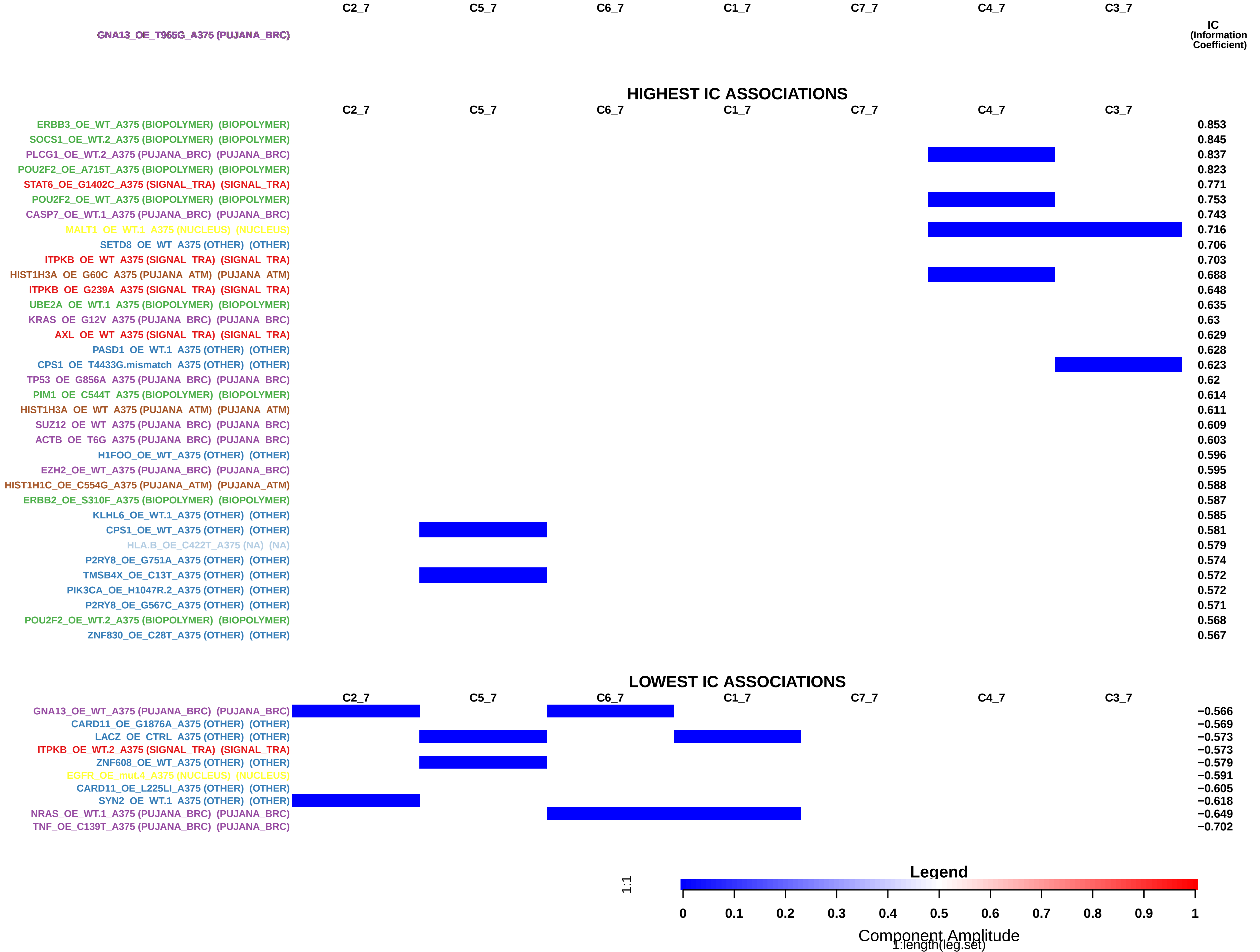
GNA13_OE_A456C_A375 (PUJANA_BRC)



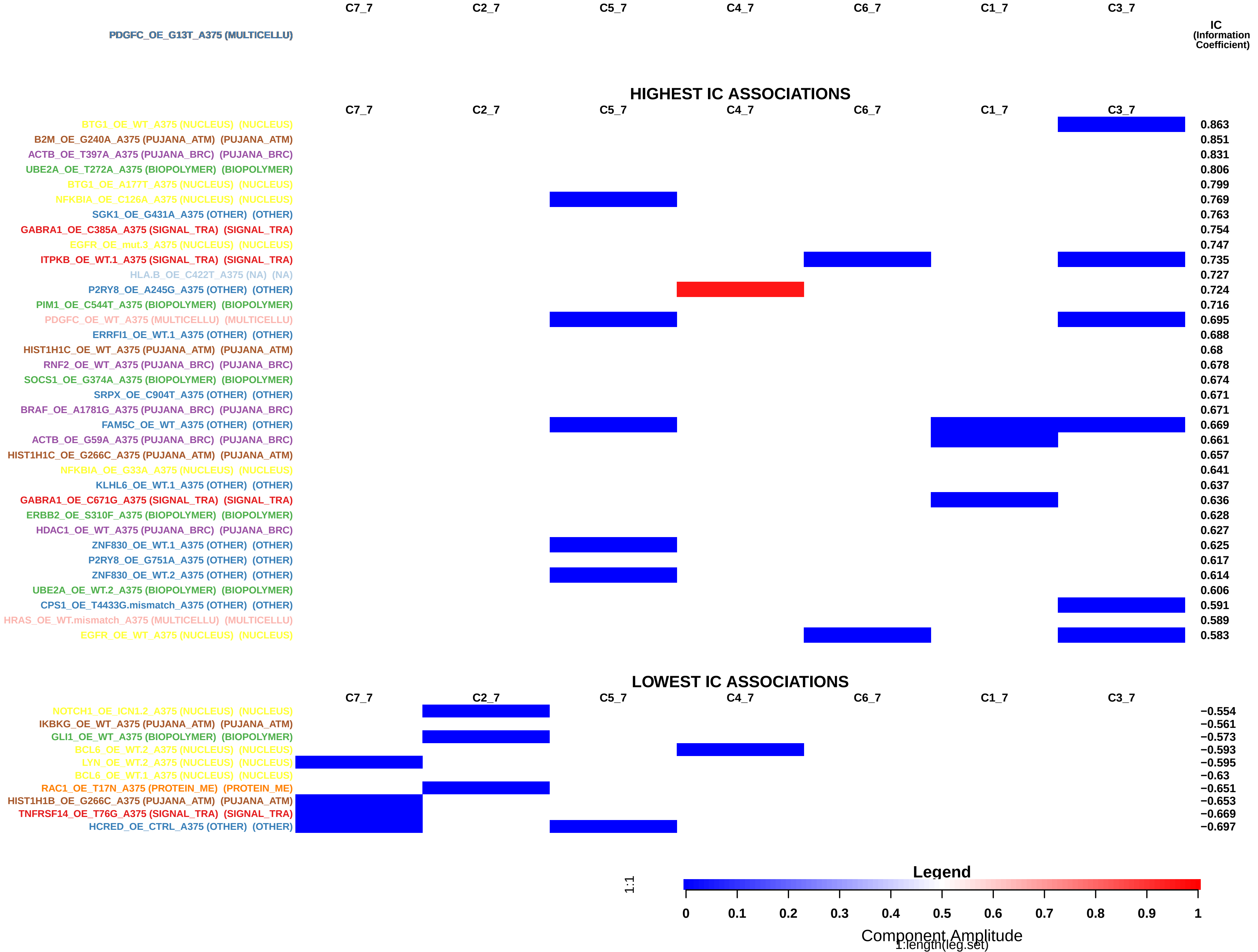
FGF10_OE_WT_A375 (NUCLEUS)

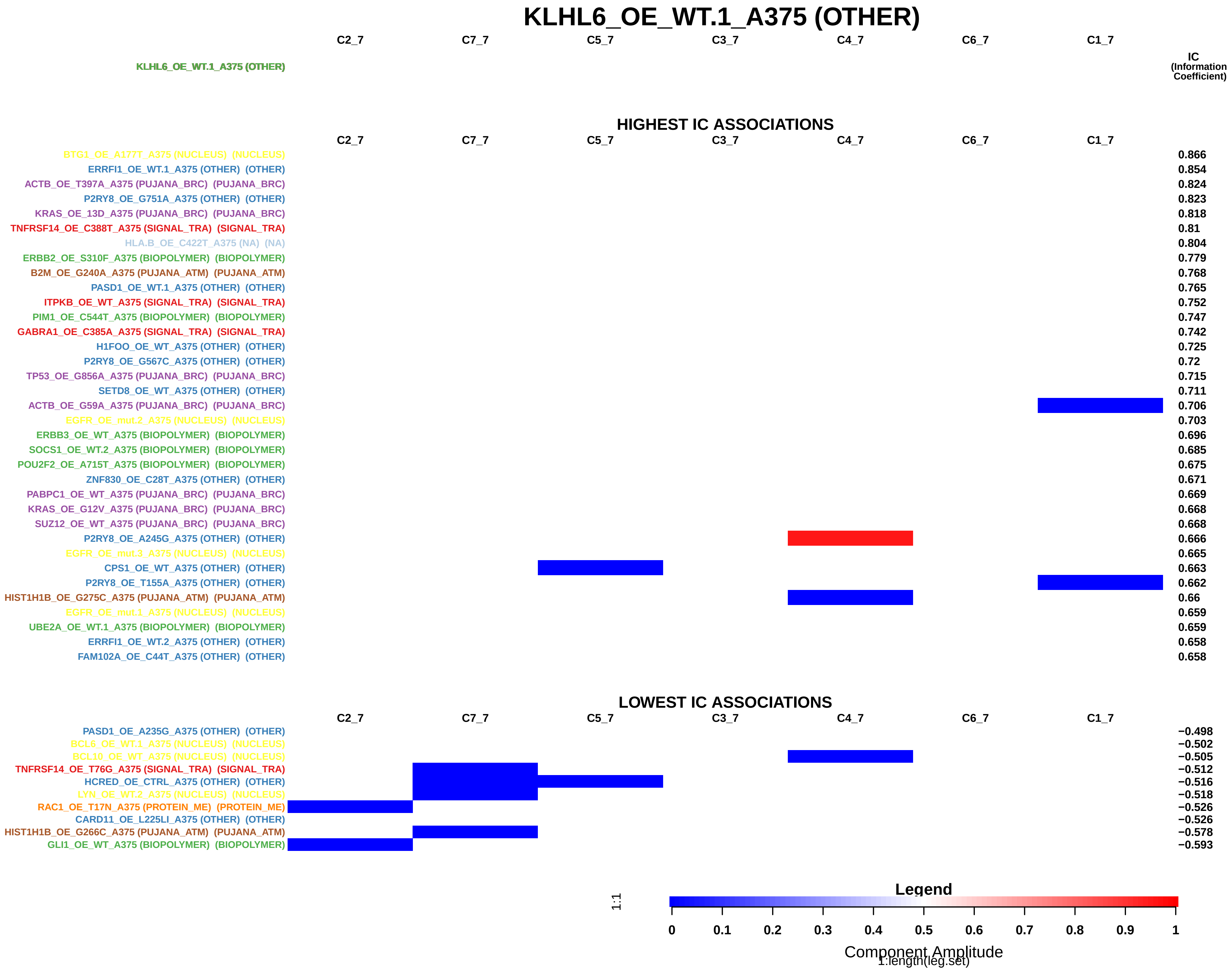


GNA13_OE_T965G_A375 (PUJANA_BRC)

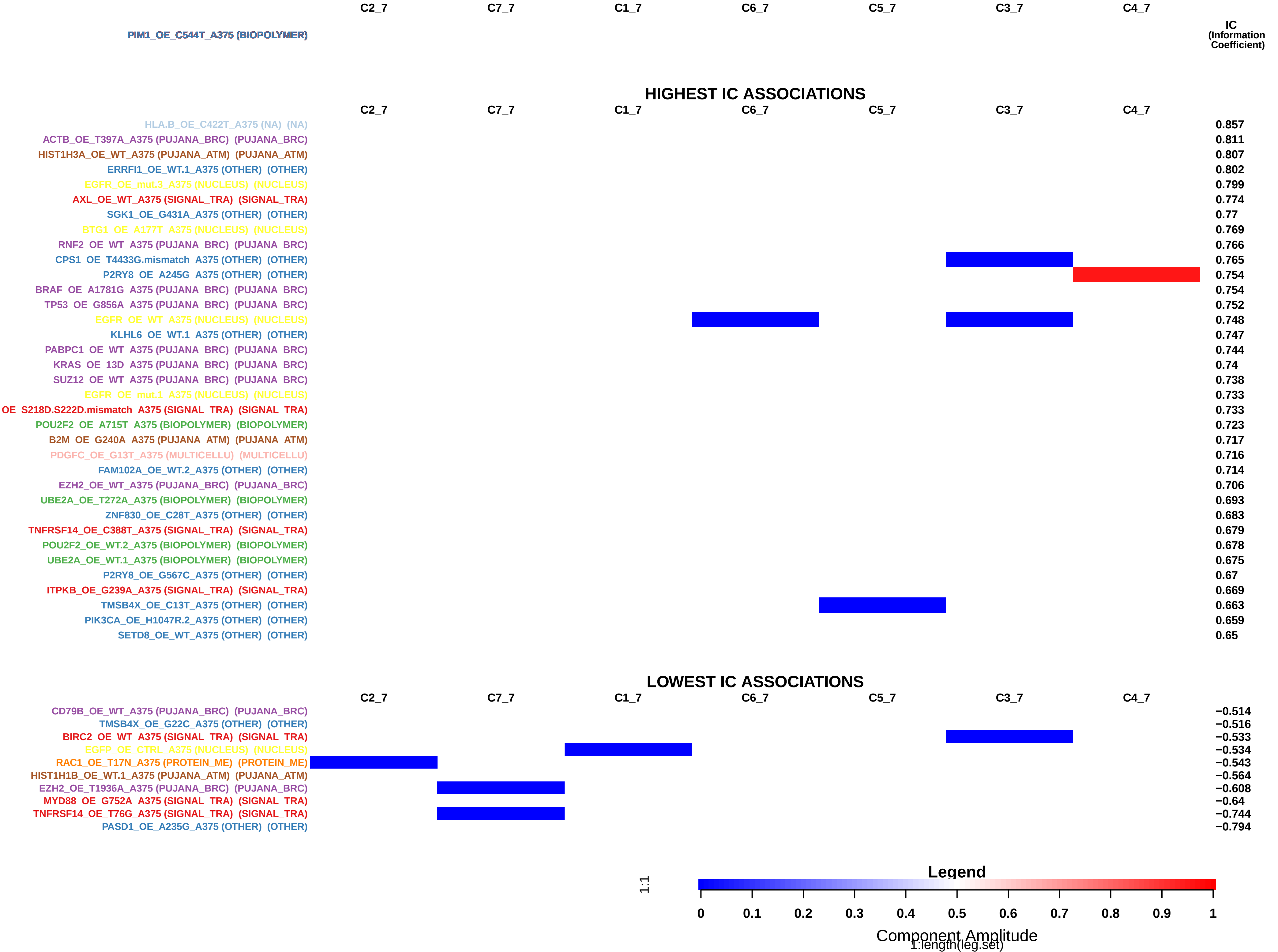


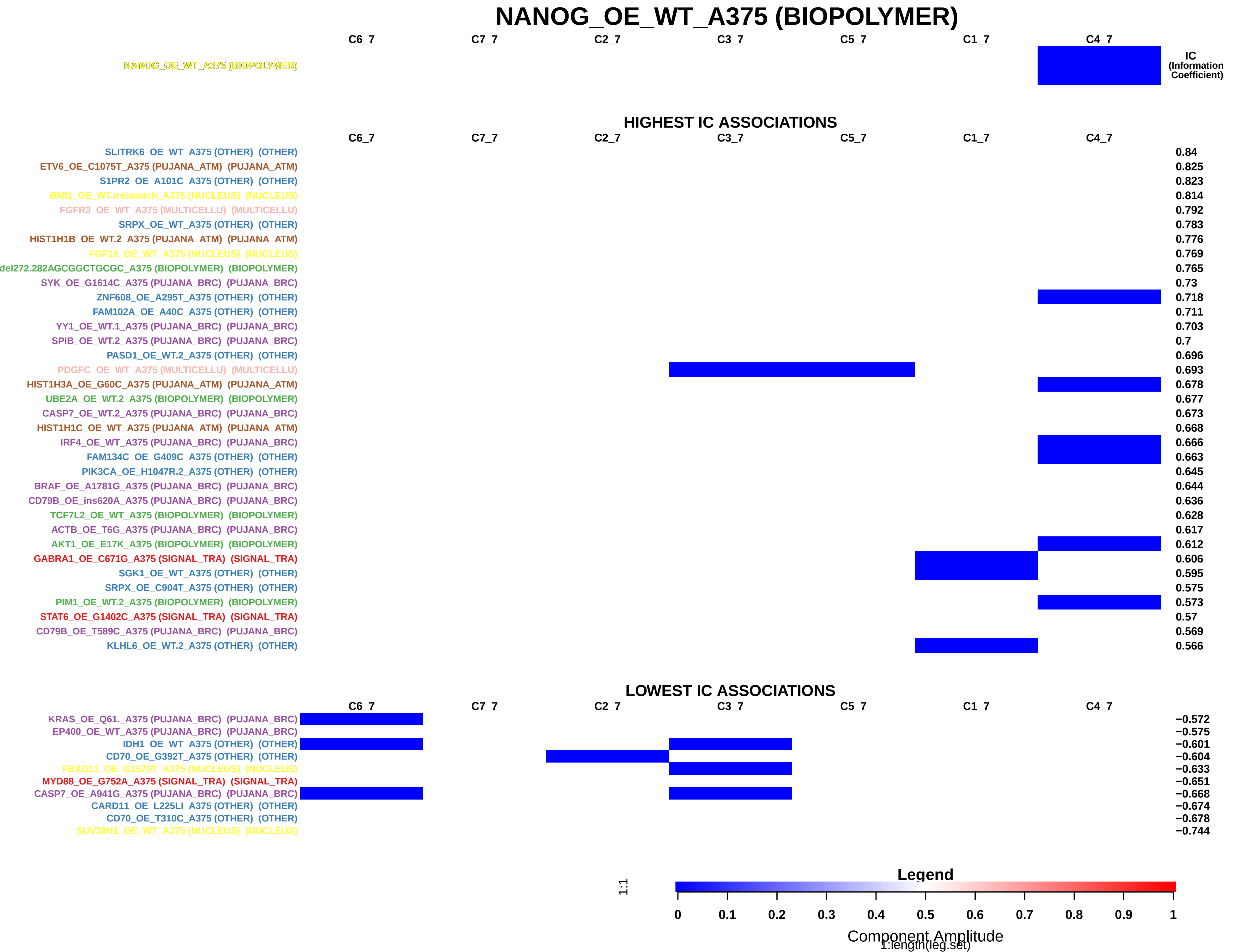
PDGFC_OE_G13T_A375 (MULTICELLU)



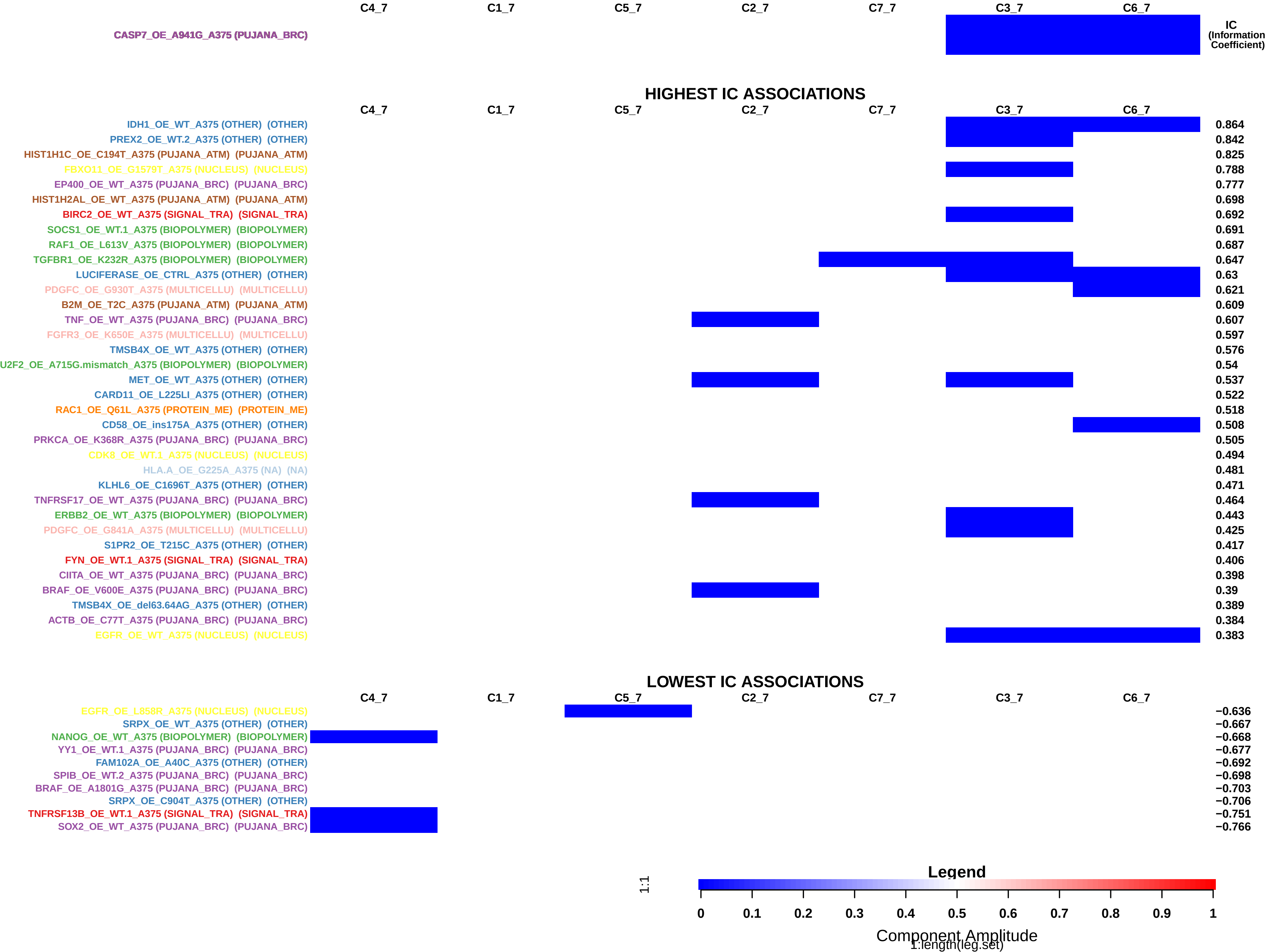

KLHL6_OE_WT.1_A375 (OTHER)
C2_7
C7_7
C5_7
C3_7
C4_7
C6_7
C1_7
KLHL6_OE_WT.1_A375 (OTHER)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
C2_7
C7_7
C5_7
C3_7
C4_7
C6_7
C1_7
BTG1_OE_A177T_A375 (NUCLEUS) (NUCLEUS) 0.866
ERRFI1_OE_WT.1_A375 (OTHER) (OTHER) 0.854
ACTB_OE_T397A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.824
P2RY8_OE_G751A_A375 (OTHER) (OTHER) 0.823
KRAS_OE_13D_A375 (PUJANA_BRC) (PUJANA_BRC) 0.818
TNFRSF14_OE_C388T_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.81
HLA.B_OE_C422T_A375 (NA) (NA) 0.804
ERBB2_OE_S310F_A375 (BIOPOLYMER) (BIOPOLYMER) 0.779
B2M_OE_G240A_A375 (PUJANA_ATM) (PUJANA_ATM) 0.768
PASD1_OE_WT.1_A375 (OTHER) (OTHER) 0.765
ITPKB_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.752
PIM1_OE_C544T_A375 (BIOPOLYMER) (BIOPOLYMER) 0.747
GABRA1_OE_C385A_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.742
H1FOO_OE_WT_A375 (OTHER) (OTHER) 0.725
P2RY8_OE_G567C_A375 (OTHER) (OTHER) 0.72
TP53_OE_G856A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.715
SETD8_OE_WT_A375 (OTHER) (OTHER) 0.711
ACTB_OE_G59A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.706
EGFR_OE_mut.2_A375 (NUCLEUS) (NUCLEUS) 0.703
ERBB3_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.696
SOCS1_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.685
POU2F2_OE_A715T_A375 (BIOPOLYMER) (BIOPOLYMER) 0.675
ZNF830_OE_C28T_A375 (OTHER) (OTHER) 0.671
PABPC1_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.669
KRAS_OE_G12V_A375 (PUJANA_BRC) (PUJANA_BRC) 0.668
SUZ12_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.668
P2RY8_OE_A245G_A375 (OTHER) (OTHER) 0.666
EGFR_OE_mut.3_A375 (NUCLEUS) (NUCLEUS) 0.665
CPS1_OE_WT_A375 (OTHER) (OTHER) 0.663
P2RY8_OE_T155A_A375 (OTHER) (OTHER) 0.662
HIST1H1B_OE_G275C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.66
EGFR_OE_mut.1_A375 (NUCLEUS) (NUCLEUS) 0.659
UBE2A_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) 0.659
ERRFI1_OE_WT.2_A375 (OTHER) (OTHER) 0.658
FAM102A_OE_C44T_A375 (OTHER) (OTHER) 0.658
LOWEST IC ASSOCIATIONS
C2_7
C7_7
C5_7
C3_7
C4_7
C6_7
C1_7
PASD1_OE_A235G_A375 (OTHER) (OTHER) −0.498
BCL6_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) −0.502
BCL10_OE_WT_A375 (NUCLEUS) (NUCLEUS) −0.505
TNFRSF14_OE_T76G_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.512
HCRED_OE_CTRL_A375 (OTHER) (OTHER) −0.516
LYN_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) −0.518
RAC1_OE_T17N_A375 (PROTEIN_ME) (PROTEIN_ME) −0.526
CARD11_OE_L225LI_A375 (OTHER) (OTHER) −0.526
HIST1H1B_OE_G266C_A375 (PUJANA_ATM) (PUJANA_ATM) −0.578
GLI1_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) −0.593
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

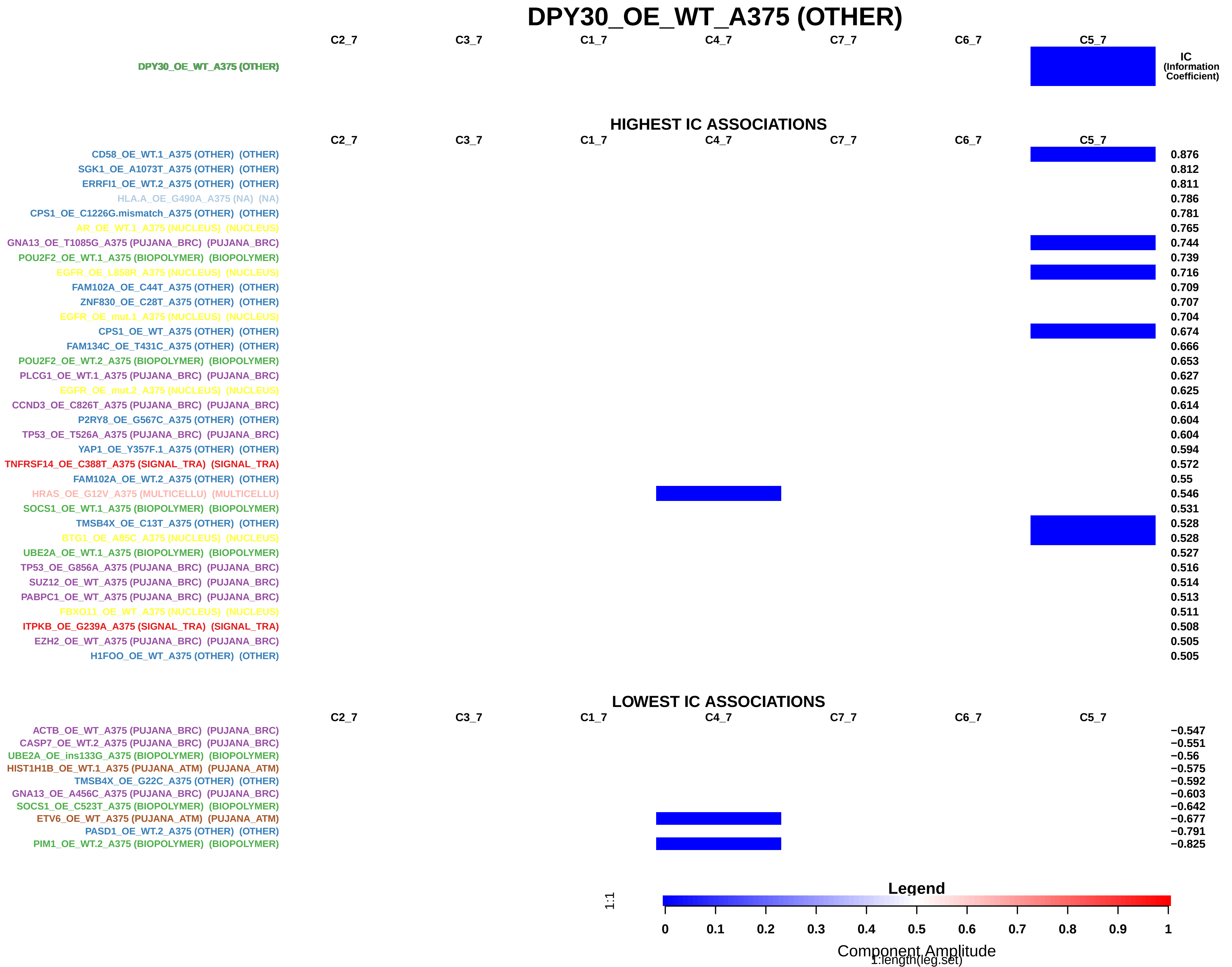
PIM1_OE_C544T_A375 (BIOPOLYMER)



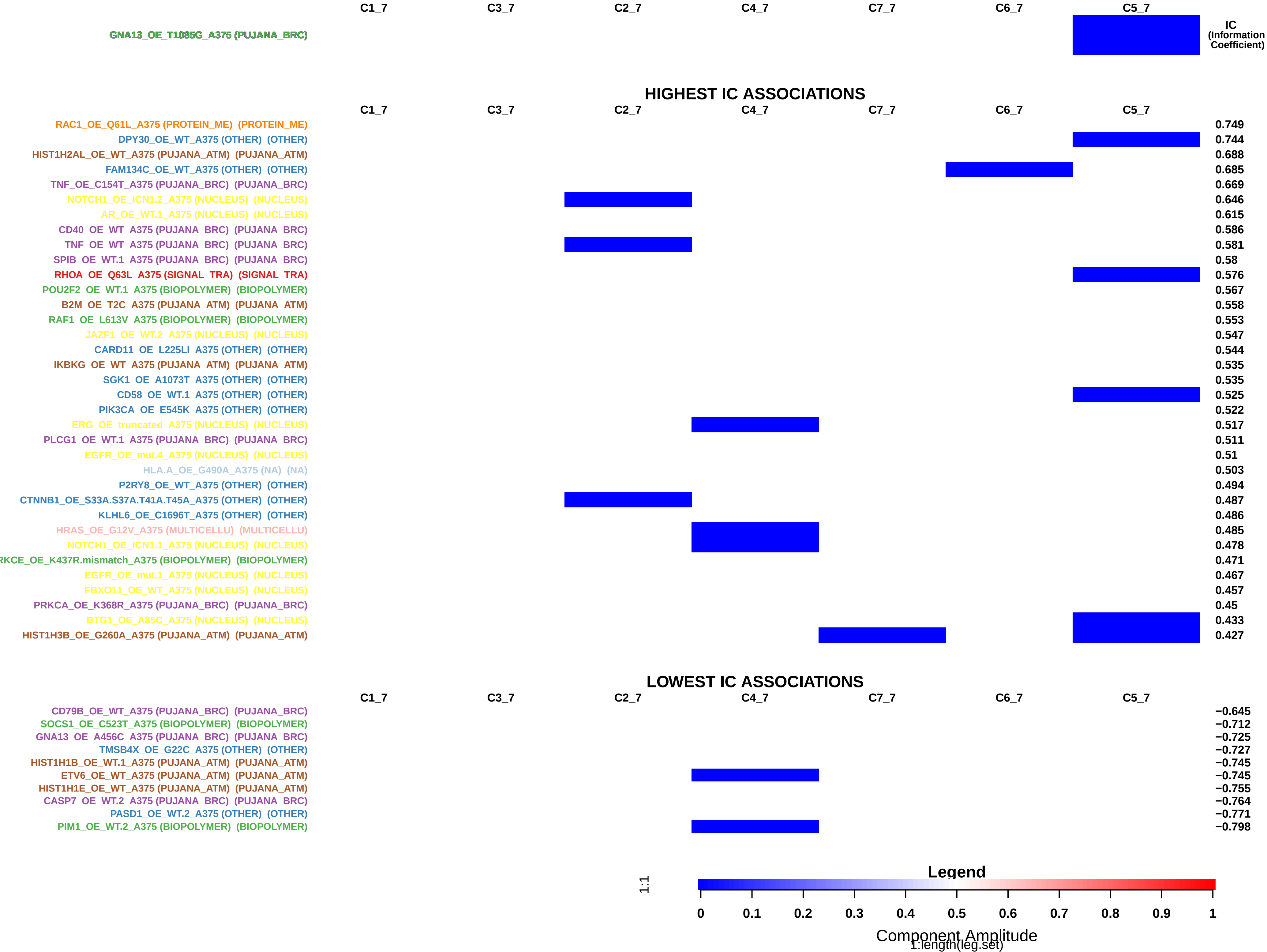

NANOG_OE_WT_A375 (BIOPOLYMER)
C6_7
C7_7
C2_7
C3_7
C5_7
C1_7
C4_7
NANOG_OE_WT_A375 (BIOPOLYMER)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
SLITRK6_OE_WT_A375 (OTHER) (OTHER) 0.84
ETV6_OE_C1075T_A375 (PUJANA_ATM) (PUJANA_ATM) 0.825
S1PR2_OE_A101C_A375 (OTHER) (OTHER) 0.823
BMI1_OE_WT.mismatch_A375 (NUCLEUS) (NUCLEUS) 0.814
FGFR3_OE_WT_A375 (MULTICELLU) (MULTICELLU) 0.792
SRPX_OE_WT_A375 (OTHER) (OTHER) 0.783
HIST1H1B_OE_WT.2_A375 (PUJANA_ATM) (PUJANA_ATM) 0.776
FGF10_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.769
del272.282AGCGGCTGCGC_A375 (BIOPOLYMER) (BIOPOLYMER) 0.765
SYK_OE_G1614C_A375 (PUJANA_BRC) (PUJANA_BRC) 0.73
ZNF608_OE_A295T_A375 (OTHER) (OTHER) 0.718
FAM102A_OE_A40C_A375 (OTHER) (OTHER) 0.711
YY1_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) 0.703
SPIB_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.7
PASD1_OE_WT.2_A375 (OTHER) (OTHER) 0.696
PDGFC_OE_WT_A375 (MULTICELLU) (MULTICELLU) 0.693
HIST1H3A_OE_G60C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.678
UBE2A_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.677
CASP7_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.673
HIST1H1C_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.668
IRF4_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.666
FAM134C_OE_G409C_A375 (OTHER) (OTHER) 0.663
PIK3CA_OE_H1047R.2_A375 (OTHER) (OTHER) 0.645
BRAF_OE_A1781G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.644
CD79B_OE_ins620A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.636
TCF7L2_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.628
ACTB_OE_T6G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.617
AKT1_OE_E17K_A375 (BIOPOLYMER) (BIOPOLYMER) 0.612
GABRA1_OE_C671G_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.606
SGK1_OE_WT_A375 (OTHER) (OTHER) 0.595
SRPX_OE_C904T_A375 (OTHER) (OTHER) 0.575
PIM1_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.573
STAT6_OE_G1402C_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.57
CD79B_OE_T589C_A375 (PUJANA_BRC) (PUJANA_BRC) 0.569
KLHL6_OE_WT.2_A375 (OTHER) (OTHER) 0.566
LOWEST IC ASSOCIATIONS
KRAS_OE_Q61._A375 (PUJANA_BRC) (PUJANA_BRC) −0.572
EP400_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) −0.575
IDH1_OE_WT_A375 (OTHER) (OTHER) −0.601
CD70_OE_G392T_A375 (OTHER) (OTHER) −0.604
FBXO11_OE_G1579T_A375 (NUCLEUS) (NUCLEUS) −0.633
MYD88_OE_G752A_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.651
CASP7_OE_A941G_A375 (PUJANA_BRC) (PUJANA_BRC) −0.668
CARD11_OE_L225LI_A375 (OTHER) (OTHER) −0.674
CD70_OE_T310C_A375 (OTHER) (OTHER) −0.678
SUV39H1_OE_WT_A375 (NUCLEUS) (NUCLEUS) −0.744
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

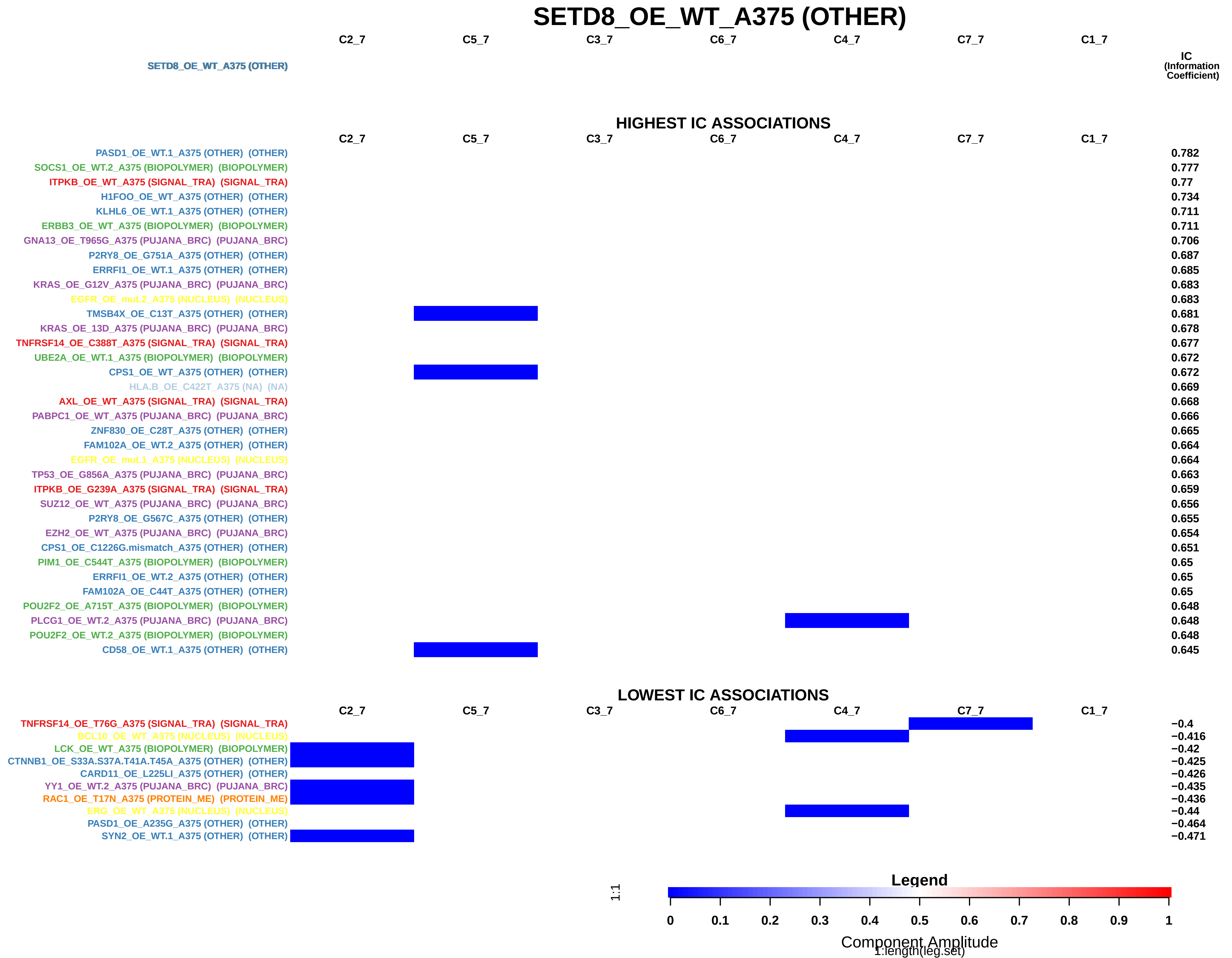
CASP7_OE_A941G_A375 (PUJANA_BRC)



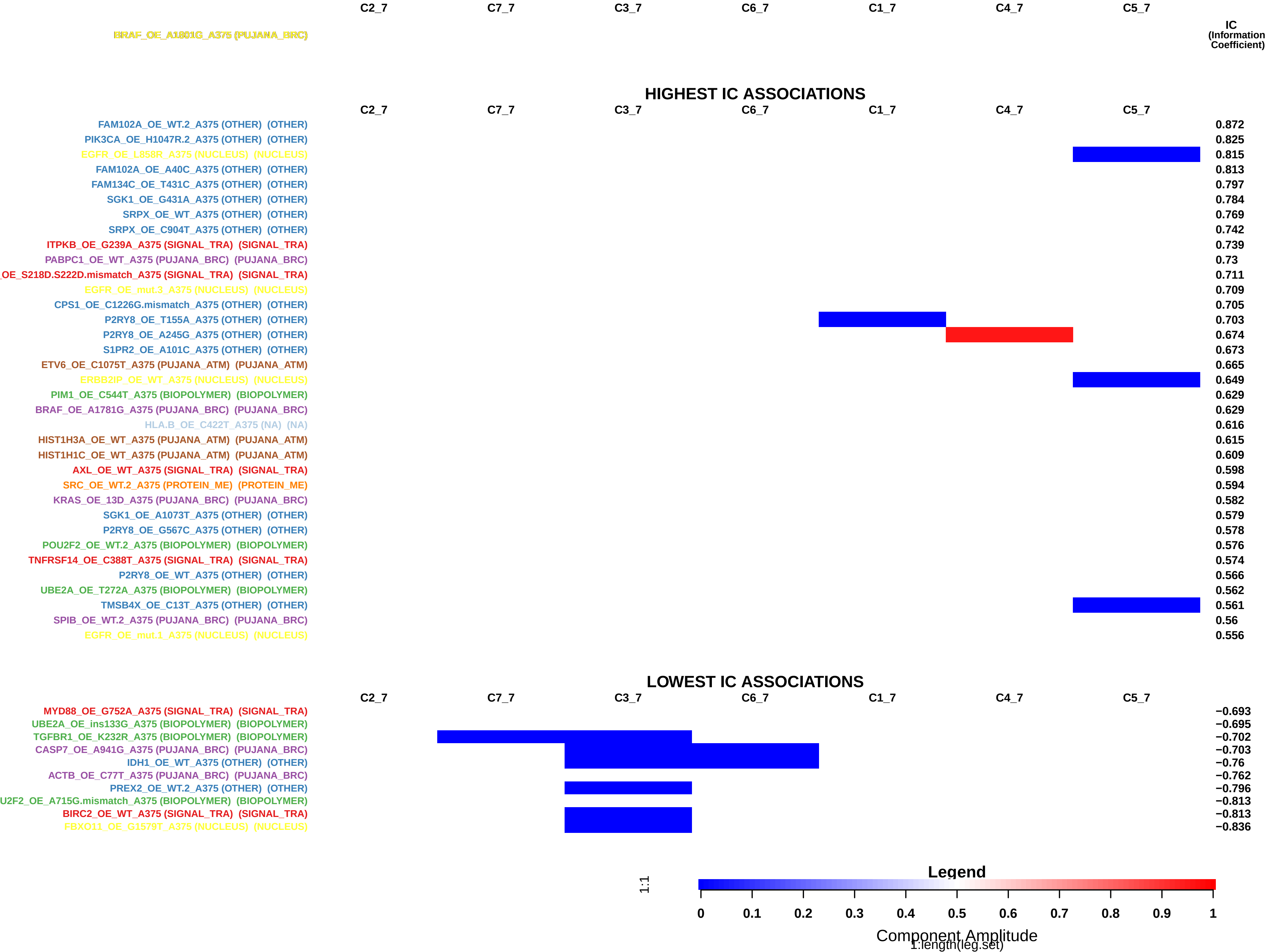

DPY30_OE_WT_A375 (OTHER)
C2_7
C3_7
C1_7
C4_7
C7_7
C6_7
C5_7
DPY30_OE_WT_A375 (OTHER)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
C2_7
C3_7
C1_7
C4_7
C7_7
C6_7
C5_7
CD58_OE_WT.1_A375 (OTHER) (OTHER) 0.876
SGK1_OE_A1073T_A375 (OTHER) (OTHER) 0.812
ERRFI1_OE_WT.2_A375 (OTHER) (OTHER) 0.811
HLA.A_OE_G490A_A375 (NA) (NA) 0.786
CPS1_OE_C1226G.mismatch_A375 (OTHER) (OTHER) 0.781
AR_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.765
GNA13_OE_T1085G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.744
POU2F2_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) 0.739
EGFR_OE_L858R_A375 (NUCLEUS) (NUCLEUS) 0.716
FAM102A_OE_C44T_A375 (OTHER) (OTHER) 0.709
ZNF830_OE_C28T_A375 (OTHER) (OTHER) 0.707
EGFR_OE_mut.1_A375 (NUCLEUS) (NUCLEUS) 0.704
CPS1_OE_WT_A375 (OTHER) (OTHER) 0.674
FAM134C_OE_T431C_A375 (OTHER) (OTHER) 0.666
POU2F2_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.653
PLCG1_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) 0.627
EGFR_OE_mut.2_A375 (NUCLEUS) (NUCLEUS) 0.625
CCND3_OE_C826T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.614
P2RY8_OE_G567C_A375 (OTHER) (OTHER) 0.604
TP53_OE_T526A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.604
YAP1_OE_Y357F.1_A375 (OTHER) (OTHER) 0.594
TNFRSF14_OE_C388T_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.572
FAM102A_OE_WT.2_A375 (OTHER) (OTHER) 0.55
HRAS_OE_G12V_A375 (MULTICELLU) (MULTICELLU) 0.546
SOCS1_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) 0.531
TMSB4X_OE_C13T_A375 (OTHER) (OTHER) 0.528
BTG1_OE_A85C_A375 (NUCLEUS) (NUCLEUS) 0.528
UBE2A_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) 0.527
TP53_OE_G856A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.516
SUZ12_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.514
PABPC1_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.513
FBXO11_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.511
ITPKB_OE_G239A_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.508
EZH2_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.505
H1FOO_OE_WT_A375 (OTHER) (OTHER) 0.505
LOWEST IC ASSOCIATIONS
C2_7
C3_7
C1_7
C4_7
C7_7
C6_7
C5_7
ACTB_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) −0.547
CASP7_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) −0.551
UBE2A_OE_ins133G_A375 (BIOPOLYMER) (BIOPOLYMER) −0.56
HIST1H1B_OE_WT.1_A375 (PUJANA_ATM) (PUJANA_ATM) −0.575
TMSB4X_OE_G22C_A375 (OTHER) (OTHER) −0.592
GNA13_OE_A456C_A375 (PUJANA_BRC) (PUJANA_BRC) −0.603
SOCS1_OE_C523T_A375 (BIOPOLYMER) (BIOPOLYMER) −0.642
ETV6_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) −0.677
PASD1_OE_WT.2_A375 (OTHER) (OTHER) −0.791
PIM1_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) −0.825
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

GNA13_OE_T1085G_A375 (PUJANA_BRC)

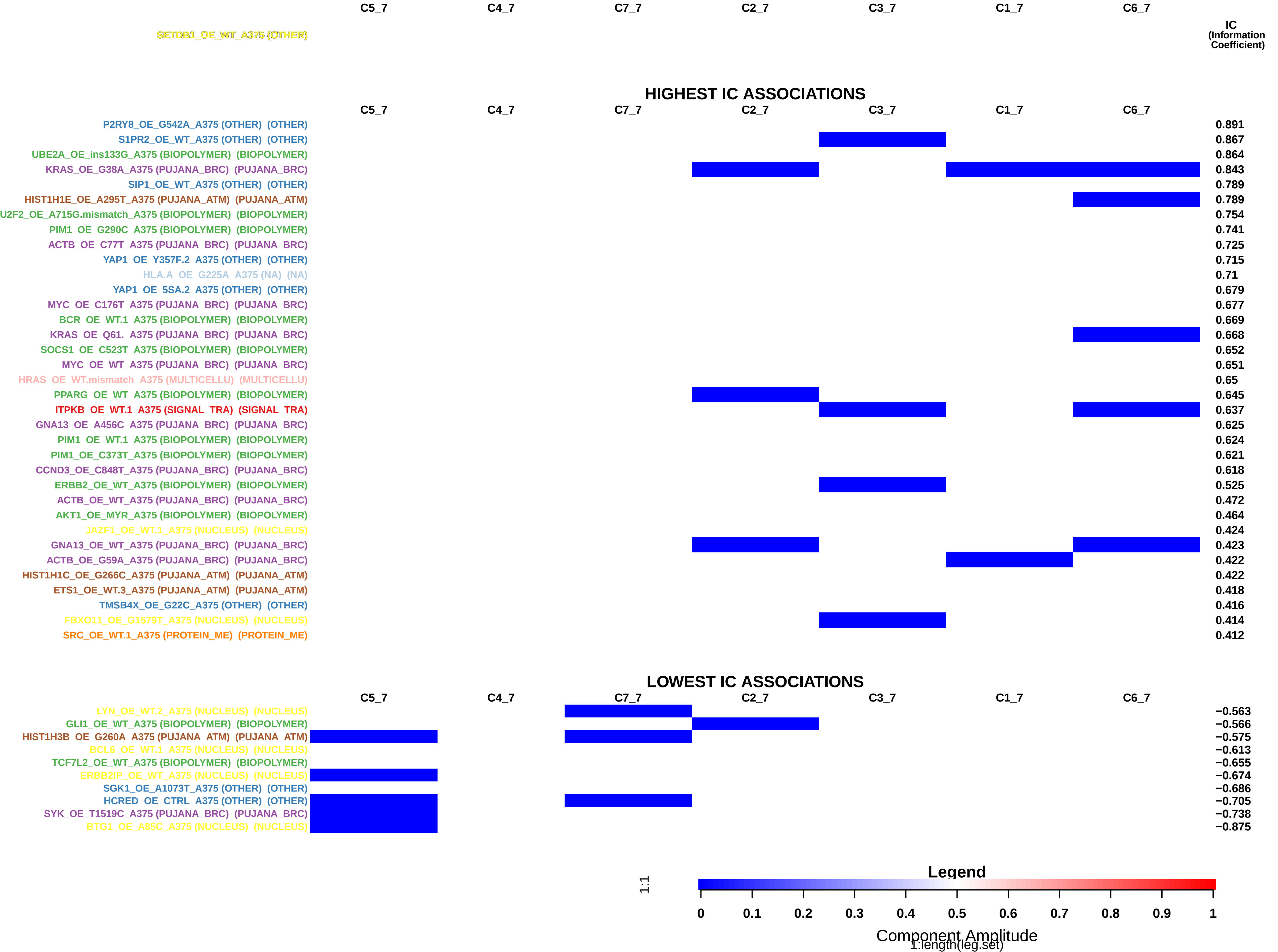



SETD8_OE_WT_A375 (OTHER)
C2_7
C5_7
C3_7
C6_7
C4_7
C7_7
C1_7
SETD8_OE_WT_A375 (OTHER)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
PASD1_OE_WT.1_A375 (OTHER) (OTHER) 0.782
SOCS1_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.777
ITPKB_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.77
H1FOO_OE_WT_A375 (OTHER) (OTHER) 0.734
KLHL6_OE_WT.1_A375 (OTHER) (OTHER) 0.711
ERBB3_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.711
GNA13_OE_T965G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.706
P2RY8_OE_G751A_A375 (OTHER) (OTHER) 0.687
ERRFI1_OE_WT.1_A375 (OTHER) (OTHER) 0.685
KRAS_OE_G12V_A375 (PUJANA_BRC) (PUJANA_BRC) 0.683
EGFR_OE_mut.2_A375 (NUCLEUS) (NUCLEUS) 0.683
TMSB4X_OE_C13T_A375 (OTHER) (OTHER) 0.681
KRAS_OE_13D_A375 (PUJANA_BRC) (PUJANA_BRC) 0.678
TNFRSF14_OE_C388T_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.677
UBE2A_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) 0.672
CPS1_OE_WT_A375 (OTHER) (OTHER) 0.672
HLA.B_OE_C422T_A375 (NA) (NA) 0.669
AXL_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.668
PABPC1_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.666
ZNF830_OE_C28T_A375 (OTHER) (OTHER) 0.665
FAM102A_OE_WT.2_A375 (OTHER) (OTHER) 0.664
EGFR_OE_mut.1_A375 (NUCLEUS) (NUCLEUS) 0.664
TP53_OE_G856A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.663
ITPKB_OE_G239A_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.659
SUZ12_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.656
P2RY8_OE_G567C_A375 (OTHER) (OTHER) 0.655
EZH2_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.654
CPS1_OE_C1226G.mismatch_A375 (OTHER) (OTHER) 0.651
PIM1_OE_C544T_A375 (BIOPOLYMER) (BIOPOLYMER) 0.65
ERRFI1_OE_WT.2_A375 (OTHER) (OTHER) 0.65
FAM102A_OE_C44T_A375 (OTHER) (OTHER) 0.65
POU2F2_OE_A715T_A375 (BIOPOLYMER) (BIOPOLYMER) 0.648
PLCG1_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.648
POU2F2_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.648
CD58_OE_WT.1_A375 (OTHER) (OTHER) 0.645
LOWEST IC ASSOCIATIONS
TNFRSF14_OE_T76G_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.4
BCL10_OE_WT_A375 (NUCLEUS) (NUCLEUS) −0.416
LCK_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) −0.42
CTNNB1_OE_S33A.S37A.T41A.T45A_A375 (OTHER) (OTHER) −0.425
CARD11_OE_L225LI_A375 (OTHER) (OTHER) −0.426
YY1_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) −0.435
RAC1_OE_T17N_A375 (PROTEIN_ME) (PROTEIN_ME) −0.436
ERG_OE_WT_A375 (NUCLEUS) (NUCLEUS) −0.44
PASD1_OE_A235G_A375 (OTHER) (OTHER) −0.464
SYN2_OE_WT.1_A375 (OTHER) (OTHER) −0.471
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

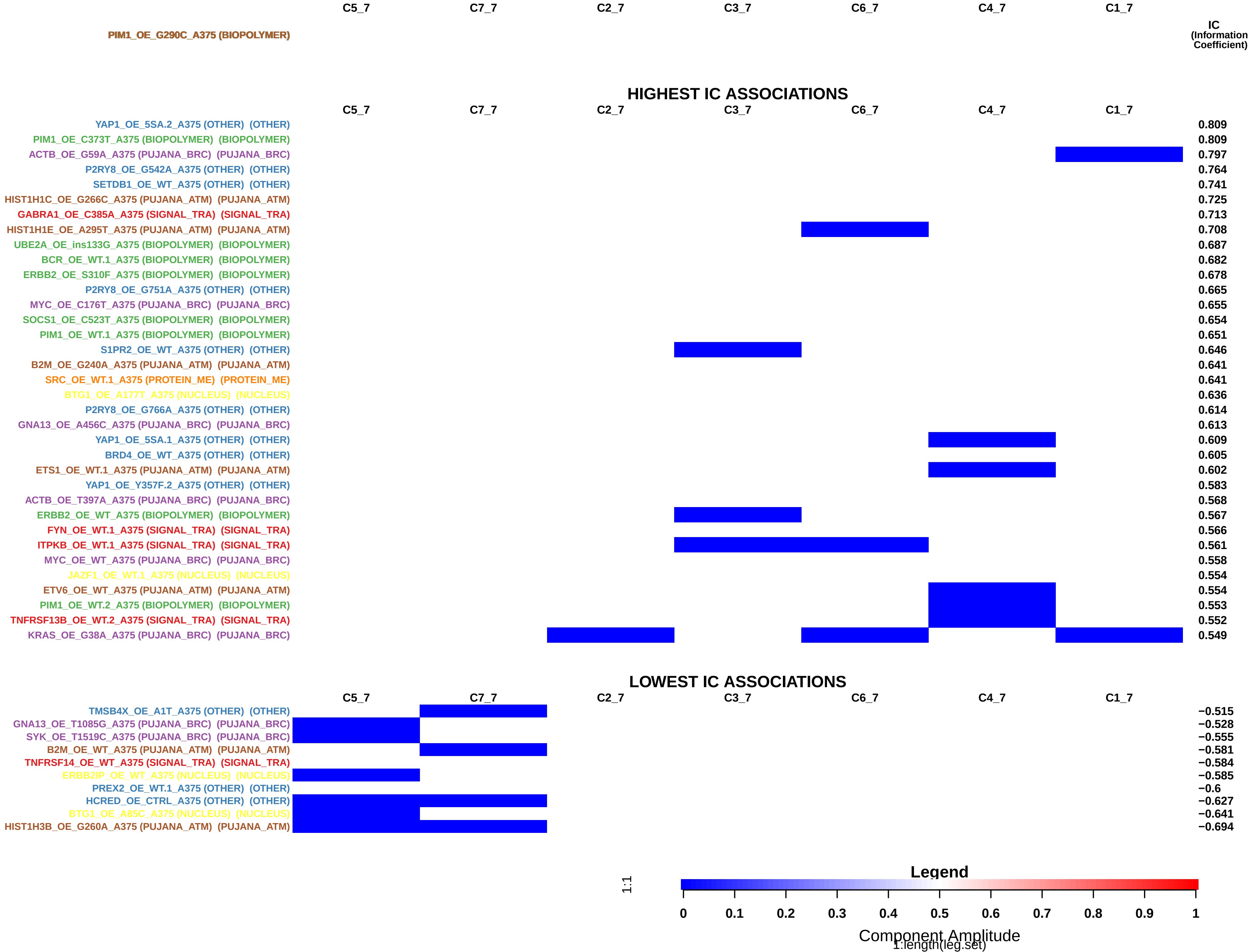
BRAF_OE_A1801G_A375 (PUJANA_BRC)



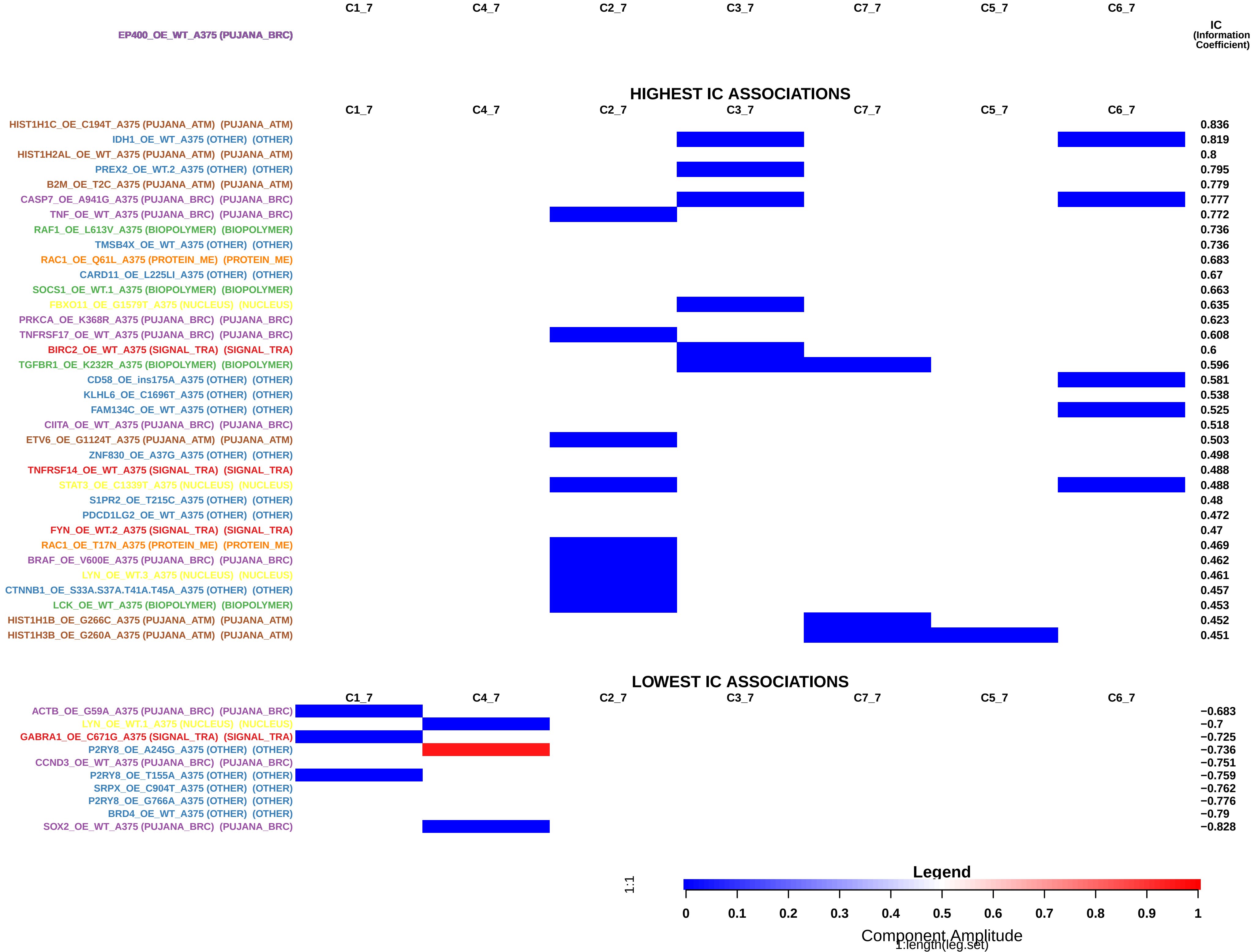
SETDB1_OE_WT_A375 (OTHER)



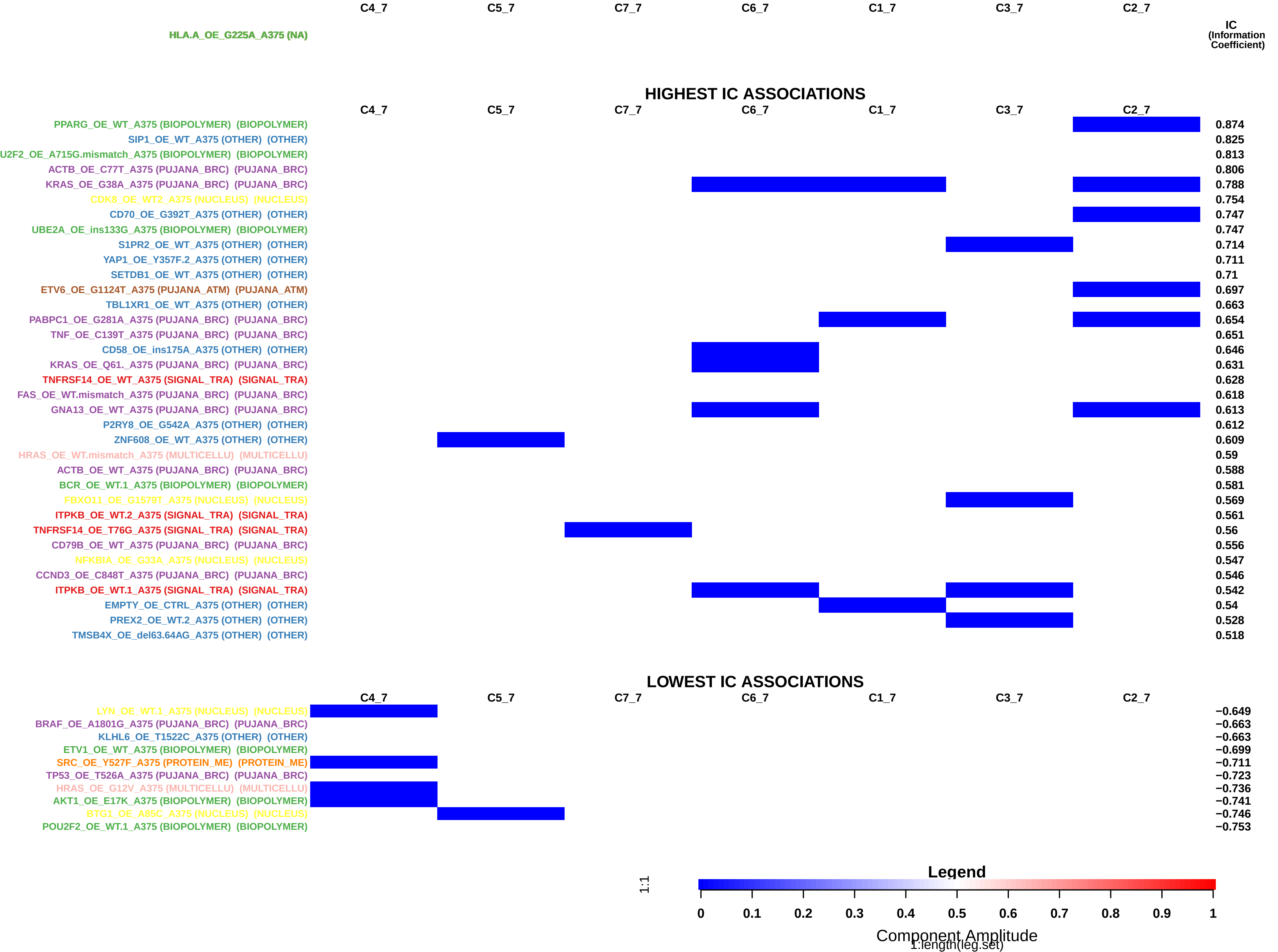
PIM1_OE_G290C_A375 (BIOPOLYMER)



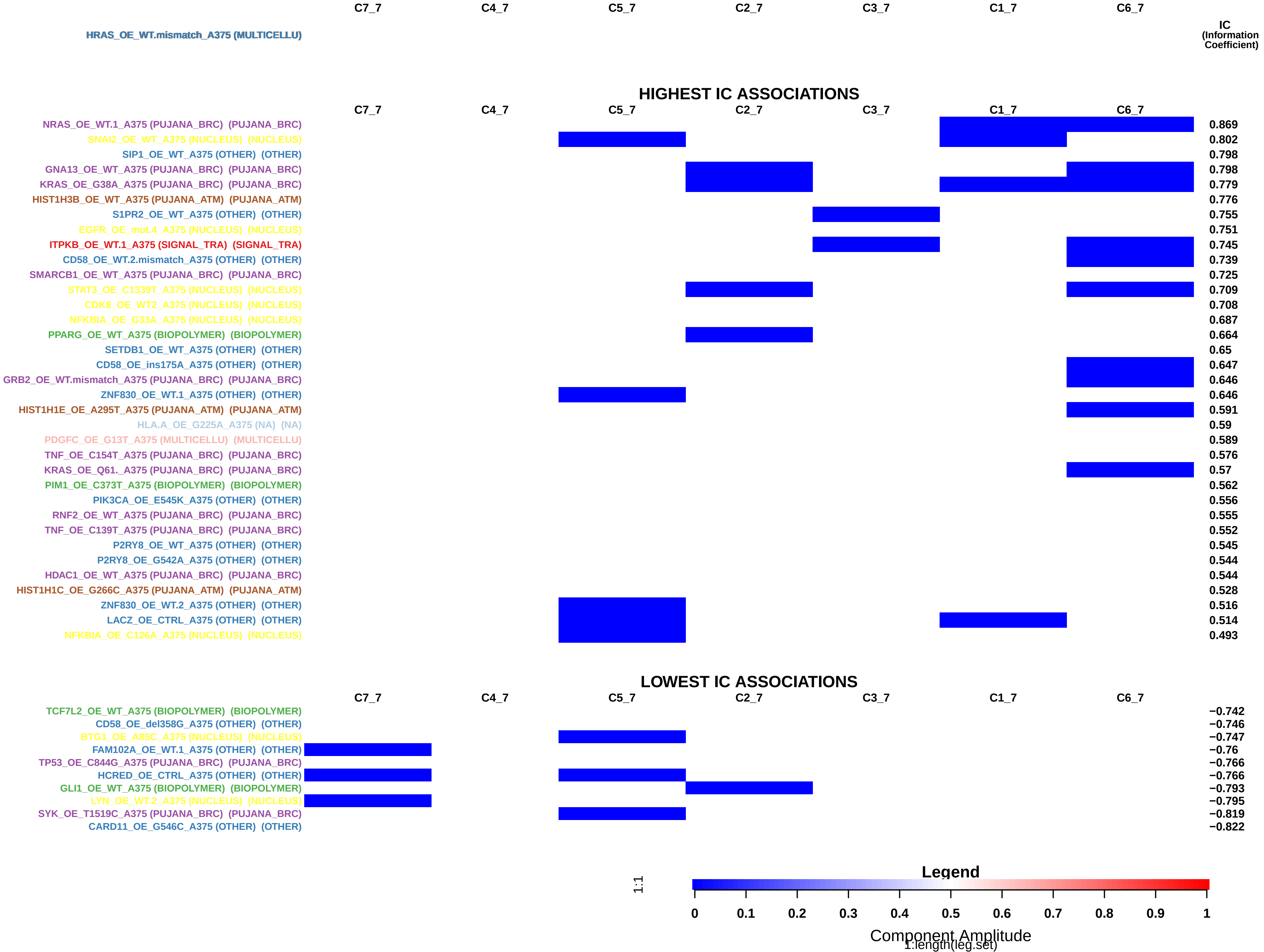
EP400_OE_WT_A375 (PUJANA_BRC)

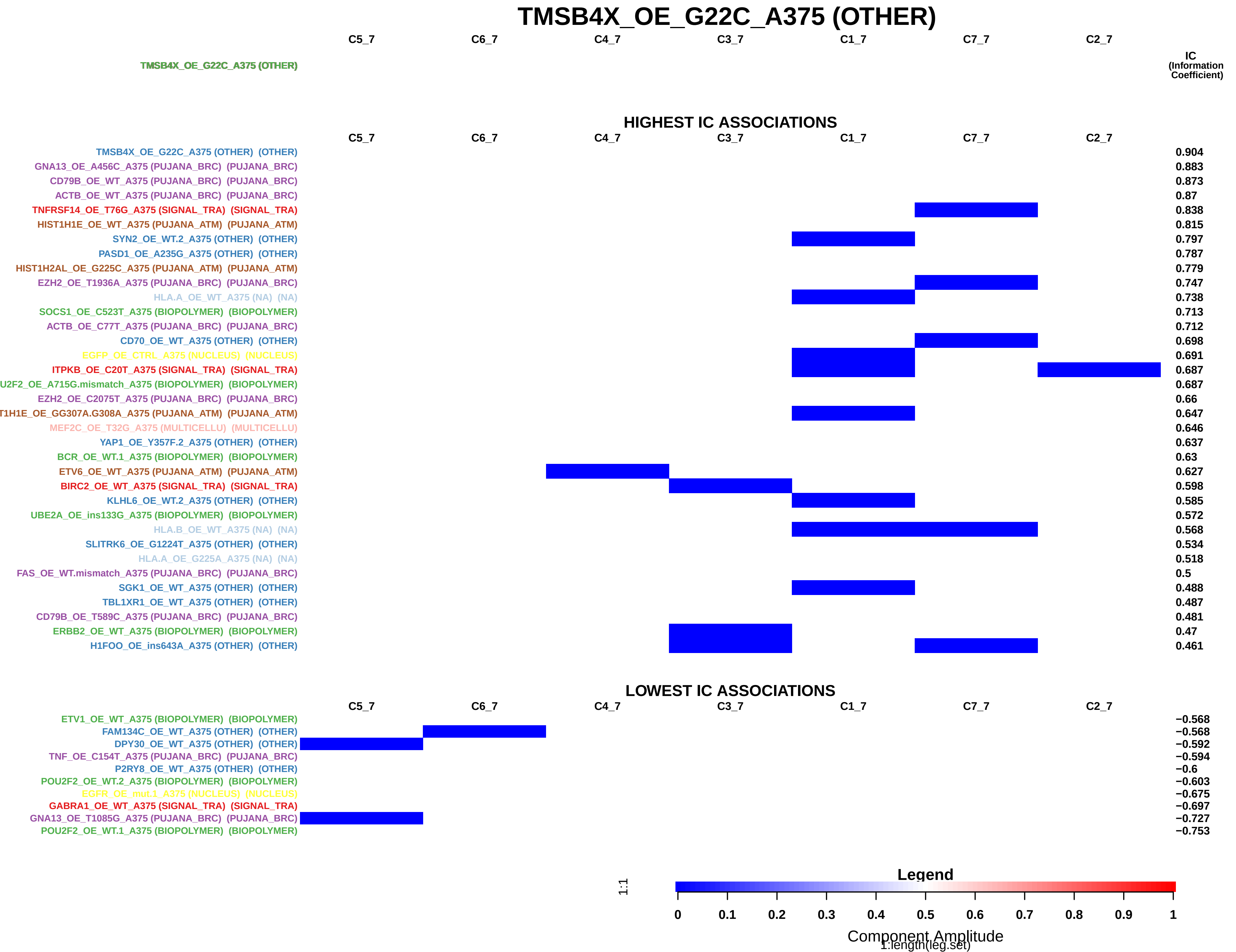


HLA.A_OE_G225A_A375 (NA)

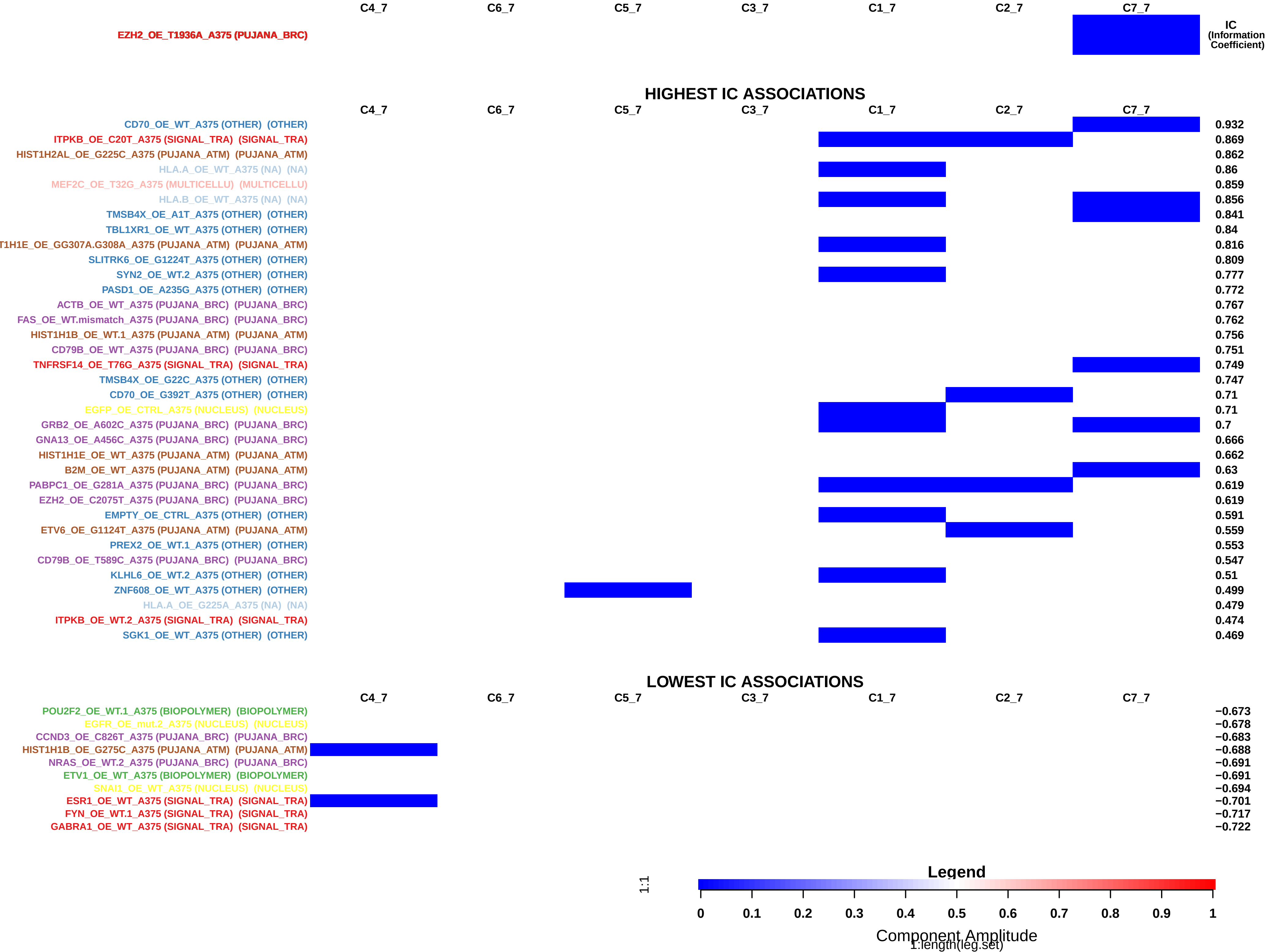


HRAS_OE_WT.mismatch_A375 (MULTICELLU)

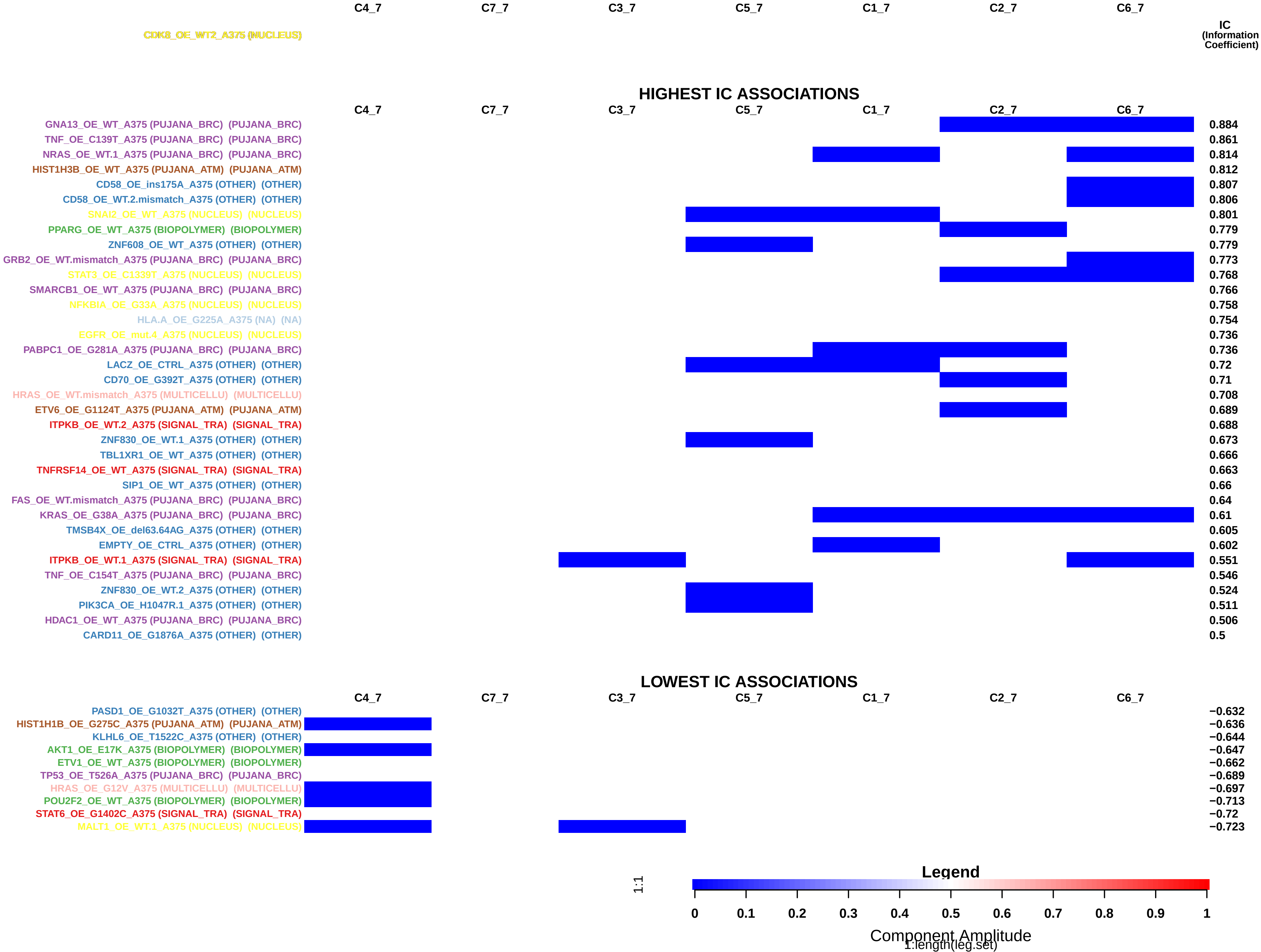



TMSB4X_OE_G22C_A375 (OTHER)
C5_7
C6_7
C4_7
C3_7
C1_7
C7_7
C2_7
TMSB4X_OE_G22C_A375 (OTHER)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
C5_7
C6_7
C4_7
C3_7
C1_7
C7_7
C2_7
TMSB4X_OE_G22C_A375 (OTHER) (OTHER) 0.904
GNA13_OE_A456C_A375 (PUJANA_BRC) (PUJANA_BRC) 0.883
CD79B_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.873
ACTB_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.87
TNFRSF14_OE_T76G_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.838
HIST1H1E_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.815
SYN2_OE_WT.2_A375 (OTHER) (OTHER) 0.797
PASD1_OE_A235G_A375 (OTHER) (OTHER) 0.787
HIST1H2AL_OE_G225C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.779
EZH2_OE_T1936A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.747
HLA.A_OE_WT_A375 (NA) (NA) 0.738
SOCS1_OE_C523T_A375 (BIOPOLYMER) (BIOPOLYMER) 0.713
ACTB_OE_C77T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.712
CD70_OE_WT_A375 (OTHER) (OTHER) 0.698
EGFP_OE_CTRL_A375 (NUCLEUS) (NUCLEUS) 0.691
ITPKB_OE_C20T_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.687
U2F2_OE_A715G.mismatch_A375 (BIOPOLYMER) (BIOPOLYMER) 0.687
EZH2_OE_C2075T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.66
T1H1E_OE_GG307A.G308A_A375 (PUJANA_ATM) (PUJANA_ATM) 0.647
MEF2C_OE_T32G_A375 (MULTICELLU) (MULTICELLU) 0.646
YAP1_OE_Y357F.2_A375 (OTHER) (OTHER) 0.637
BCR_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) 0.63
ETV6_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.627
BIRC2_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.598
KLHL6_OE_WT.2_A375 (OTHER) (OTHER) 0.585
UBE2A_OE_ins133G_A375 (BIOPOLYMER) (BIOPOLYMER) 0.572
HLA.B_OE_WT_A375 (NA) (NA) 0.568
SLITRK6_OE_G1224T_A375 (OTHER) (OTHER) 0.534
HLA.A_OE_G225A_A375 (NA) (NA) 0.518
FAS_OE_WT.mismatch_A375 (PUJANA_BRC) (PUJANA_BRC) 0.5
SGK1_OE_WT_A375 (OTHER) (OTHER) 0.488
TBL1XR1_OE_WT_A375 (OTHER) (OTHER) 0.487
CD79B_OE_T589C_A375 (PUJANA_BRC) (PUJANA_BRC) 0.481
ERBB2_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.47
H1FOO_OE_ins643A_A375 (OTHER) (OTHER) 0.461
LOWEST IC ASSOCIATIONS
C5_7
C6_7
C4_7
C3_7
C1_7
C7_7
C2_7
ETV1_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) −0.568
FAM134C_OE_WT_A375 (OTHER) (OTHER) −0.568
DPY30_OE_WT_A375 (OTHER) (OTHER) −0.592
TNF_OE_C154T_A375 (PUJANA_BRC) (PUJANA_BRC) −0.594
P2RY8_OE_WT_A375 (OTHER) (OTHER) −0.6
POU2F2_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) −0.603
EGFR_OE_mut.1_A375 (NUCLEUS) (NUCLEUS) −0.675
GABRA1_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.697
GNA13_OE_T1085G_A375 (PUJANA_BRC) (PUJANA_BRC) −0.727
POU2F2_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) −0.753
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

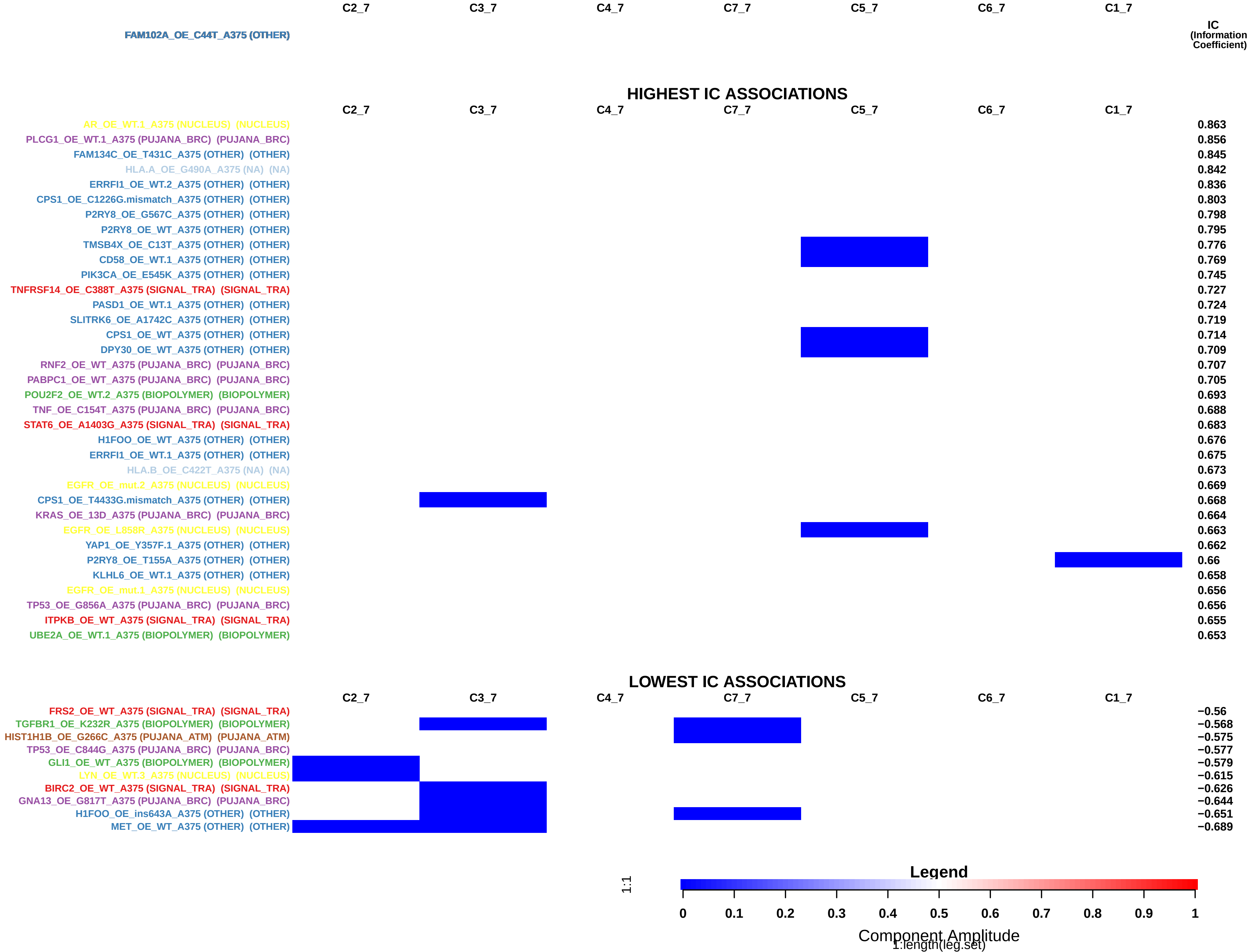
EZH2_OE_T1936A_A375 (PUJANA_BRC)



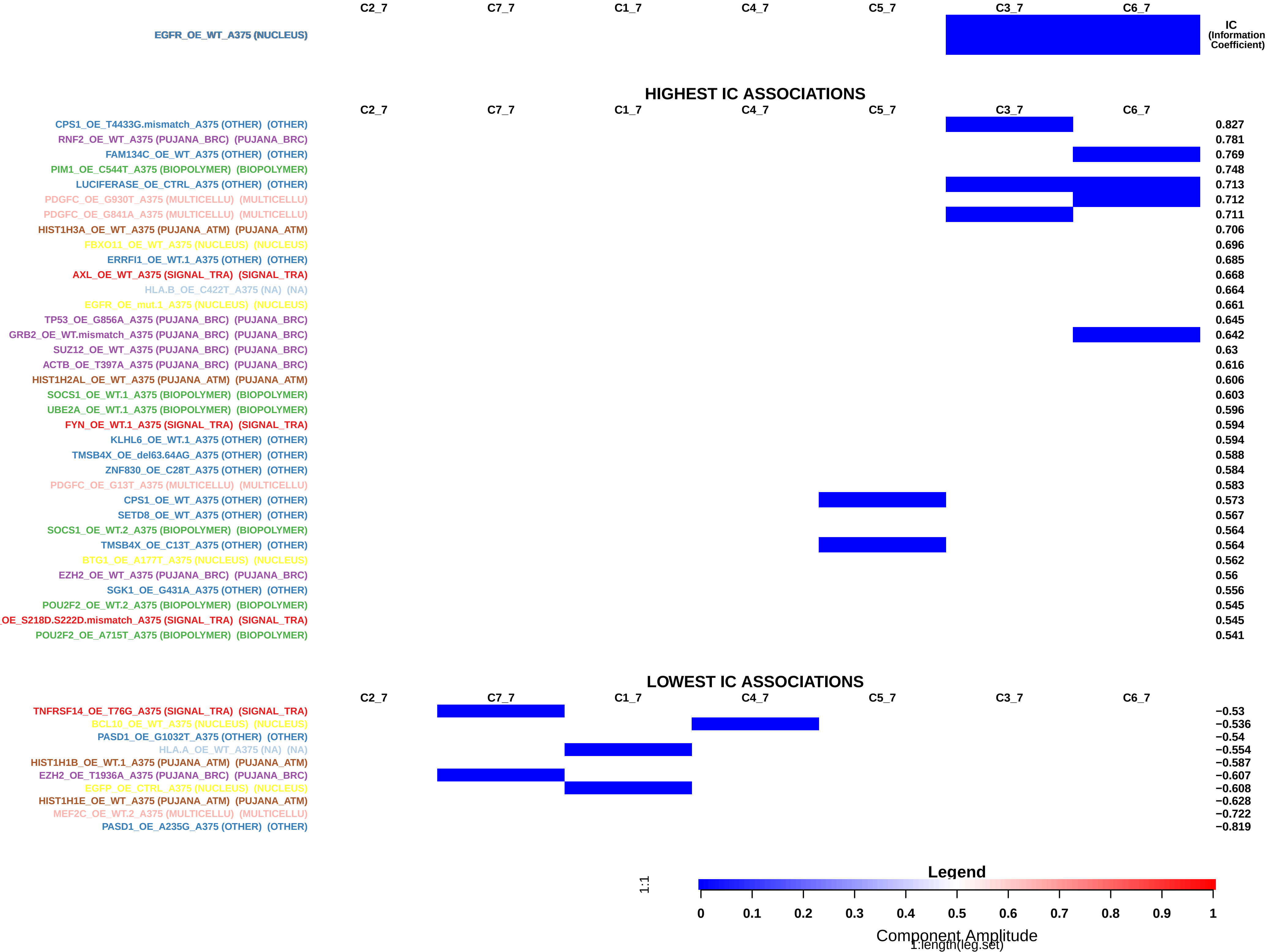
CDK8_OE_WT2_A375 (NUCLEUS)



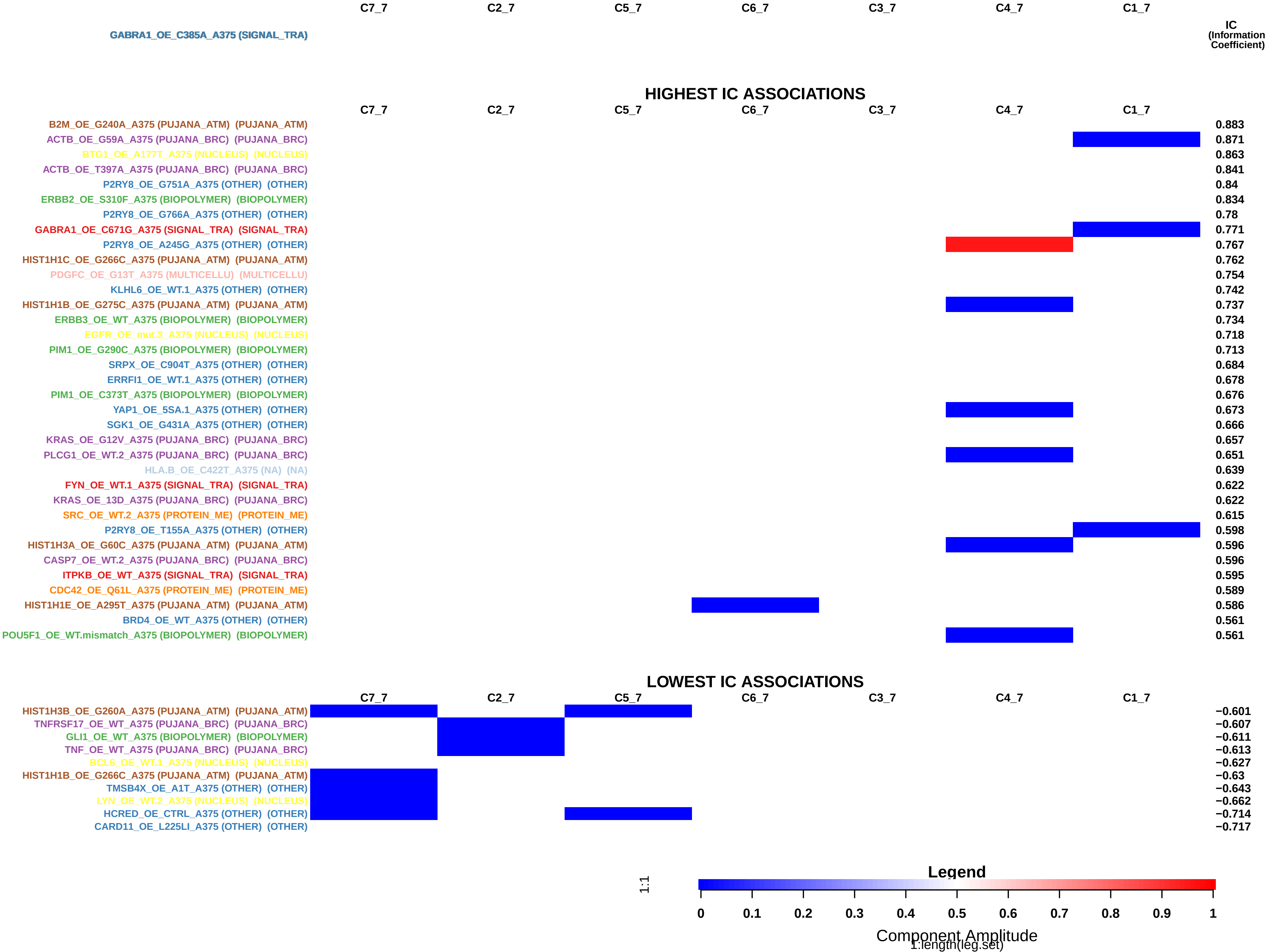
FAM102A_OE_C44T_A375 (OTHER)



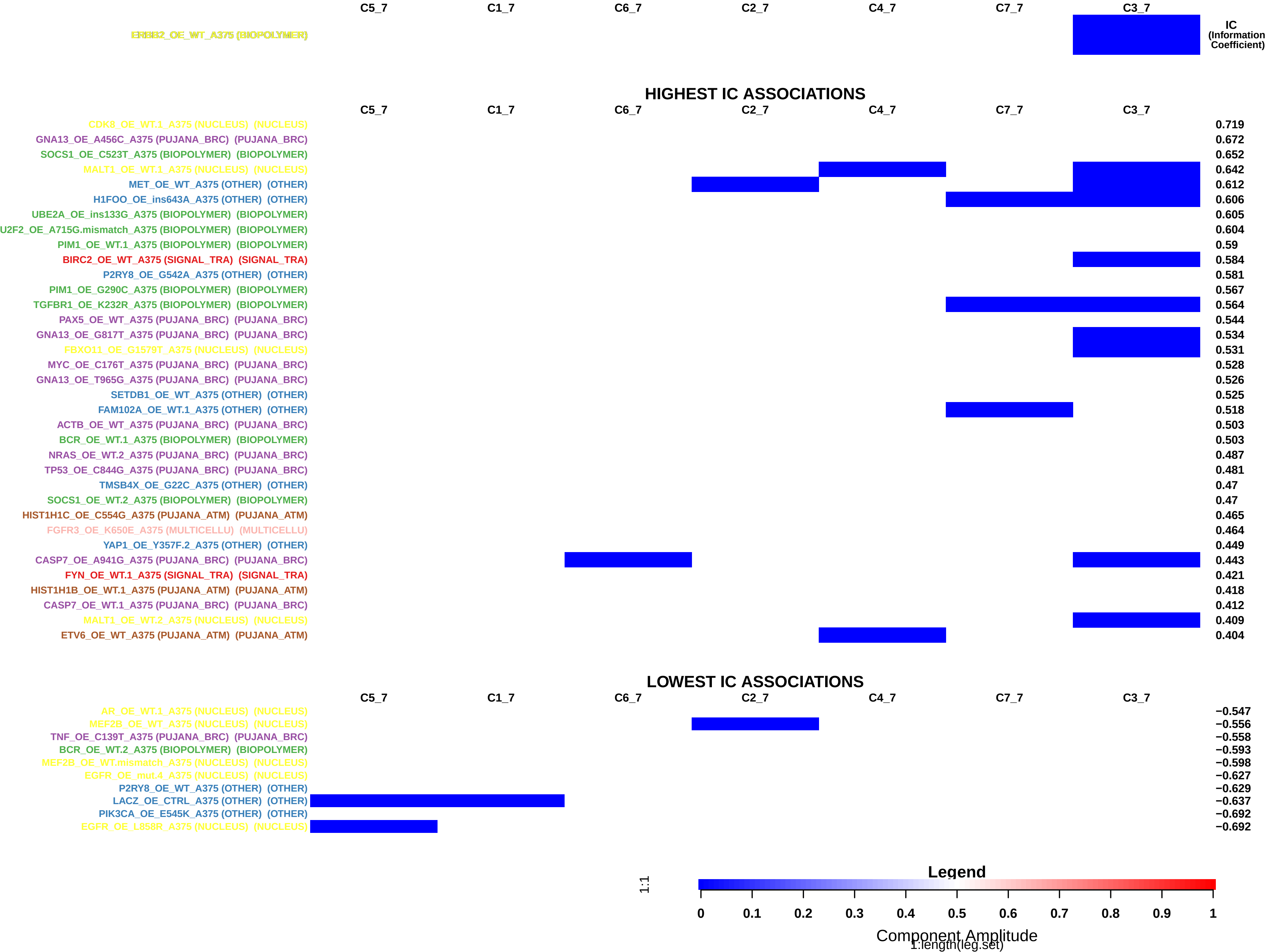
EGFR_OE_WT_A375 (NUCLEUS)



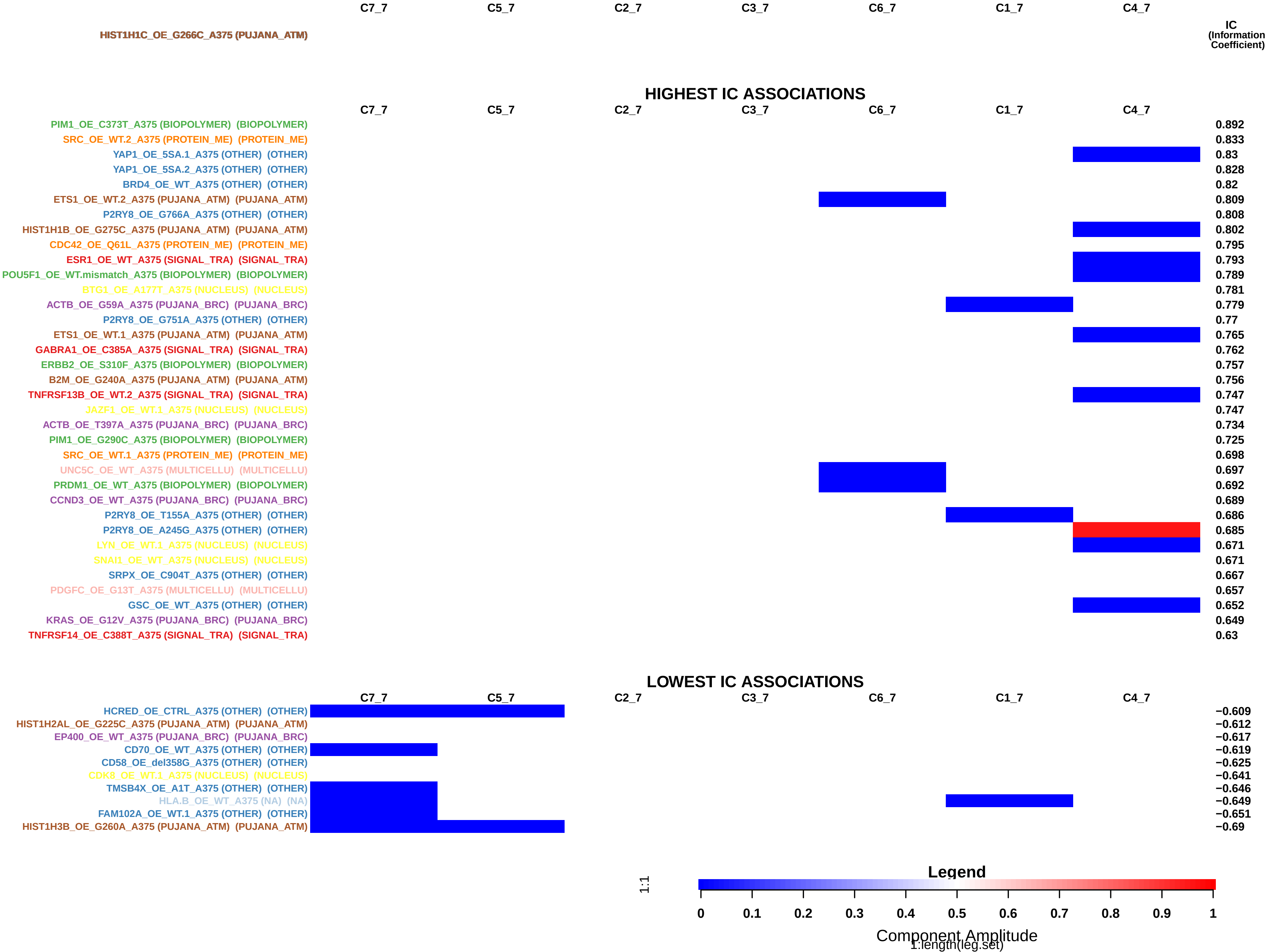
GABRA1_OE_C385A_A375 (SIGNAL_TRA)

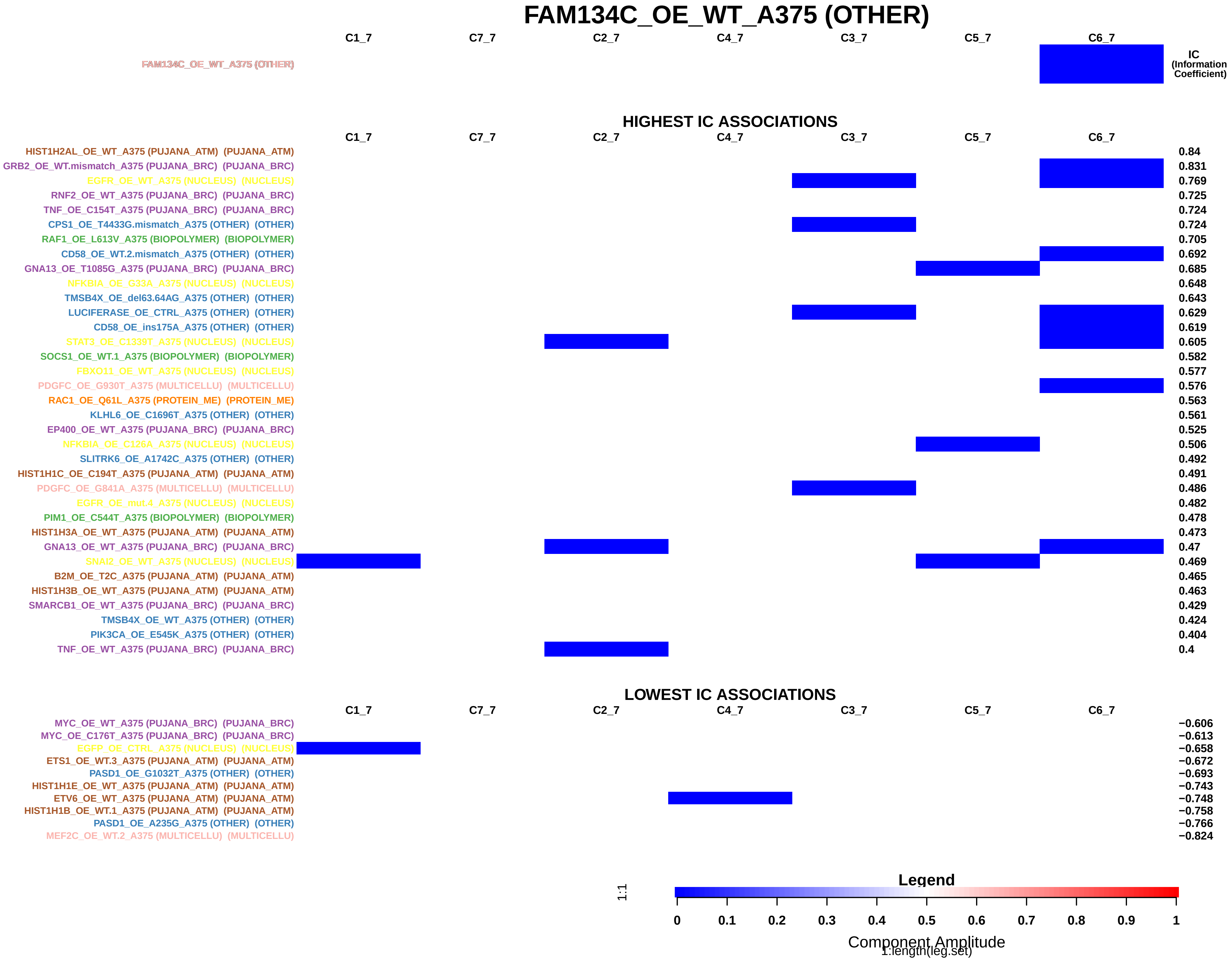


ERBB2_OE_WT_A375 (BIOPOLYMER)

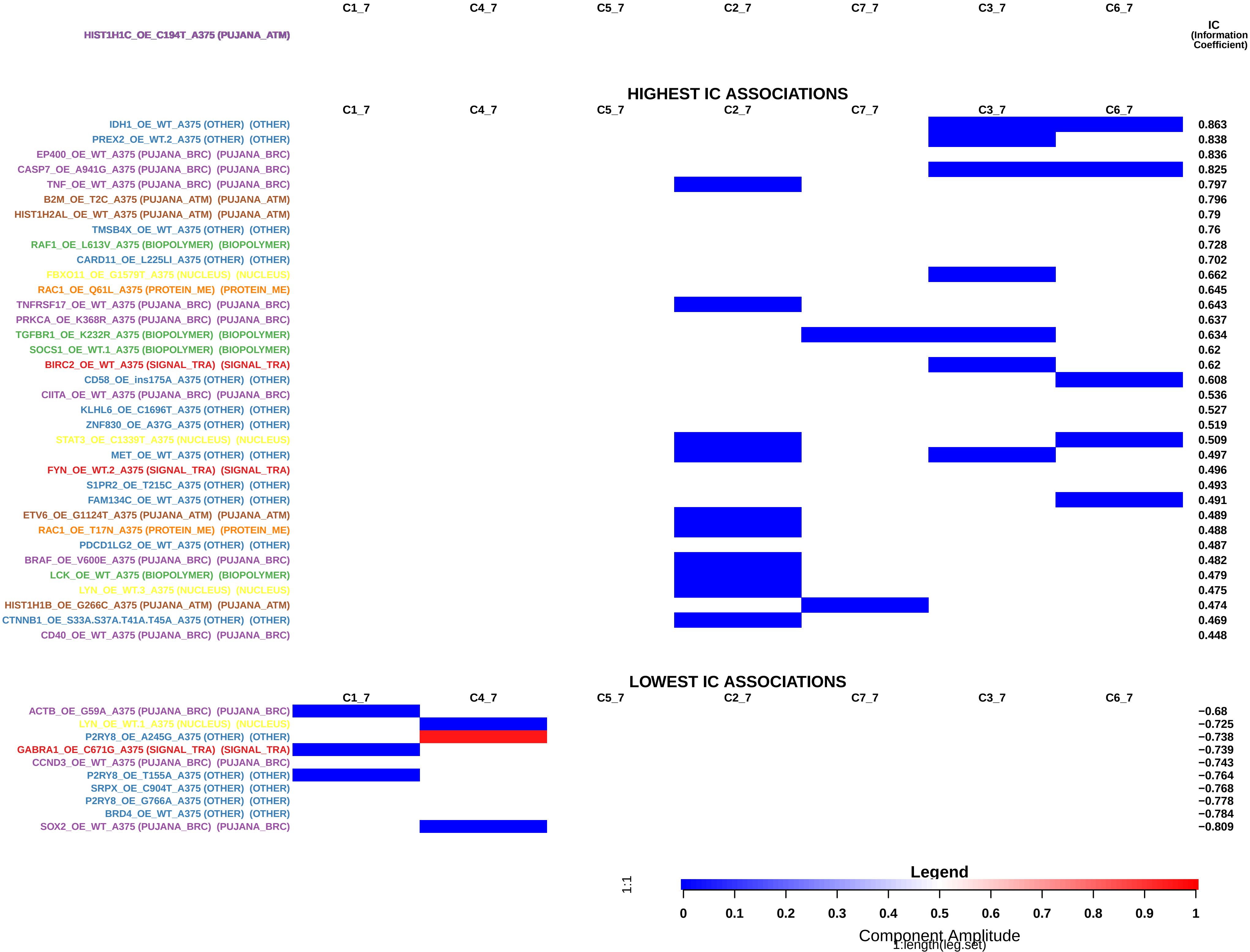


HIST1H1C_OE_G266C_A375 (PUJANA_ATM)

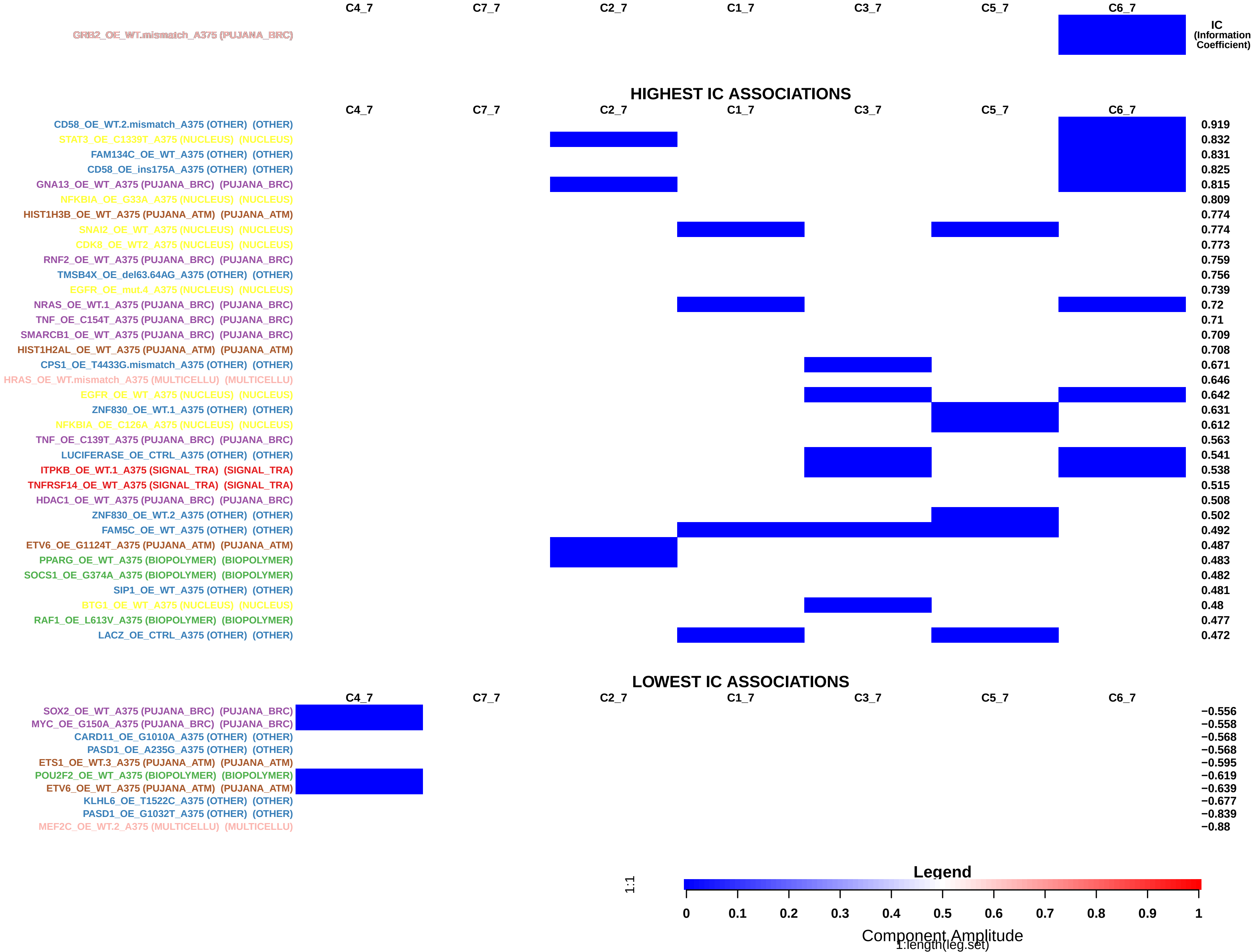



FAM134C_OE_WT_A375 (OTHER)
C1_7
C7_7
C2_7
C4_7
C3_7
C5_7
C6_7
FAM134C_OE_WT_A375 (OTHER)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
C1_7
C7_7
C2_7
C4_7
C3_7
C5_7
C6_7
HIST1H2AL_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.84
GRB2_OE_WT.mismatch_A375 (PUJANA_BRC) (PUJANA_BRC) 0.831
EGFR_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.769
RNF2_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.725
TNF_OE_C154T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.724
CPS1_OE_T4433G.mismatch_A375 (OTHER) (OTHER) 0.724
RAF1_OE_L613V_A375 (BIOPOLYMER) (BIOPOLYMER) 0.705
CD58_OE_WT.2.mismatch_A375 (OTHER) (OTHER) 0.692
GNA13_OE_T1085G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.685
NFKBIA_OE_G33A_A375 (NUCLEUS) (NUCLEUS) 0.648
TMSB4X_OE_del63.64AG_A375 (OTHER) (OTHER) 0.643
LUCIFERASE_OE_CTRL_A375 (OTHER) (OTHER) 0.629
CD58_OE_ins175A_A375 (OTHER) (OTHER) 0.619
STAT3_OE_C1339T_A375 (NUCLEUS) (NUCLEUS) 0.605
SOCS1_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) 0.582
FBXO11_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.577
PDGFC_OE_G930T_A375 (MULTICELLU) (MULTICELLU) 0.576
RAC1_OE_Q61L_A375 (PROTEIN_ME) (PROTEIN_ME) 0.563
KLHL6_OE_C1696T_A375 (OTHER) (OTHER) 0.561
EP400_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.525
NFKBIA_OE_C126A_A375 (NUCLEUS) (NUCLEUS) 0.506
SLITRK6_OE_A1742C_A375 (OTHER) (OTHER) 0.492
HIST1H1C_OE_C194T_A375 (PUJANA_ATM) (PUJANA_ATM) 0.491
PDGFC_OE_G841A_A375 (MULTICELLU) (MULTICELLU) 0.486
EGFR_OE_mut.4_A375 (NUCLEUS) (NUCLEUS) 0.482
PIM1_OE_C544T_A375 (BIOPOLYMER) (BIOPOLYMER) 0.478
HIST1H3A_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.473
GNA13_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.47
SNAI2_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.469
B2M_OE_T2C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.465
HIST1H3B_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.463
SMARCB1_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.429
TMSB4X_OE_WT_A375 (OTHER) (OTHER) 0.424
PIK3CA_OE_E545K_A375 (OTHER) (OTHER) 0.404
TNF_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.4
LOWEST IC ASSOCIATIONS
C1_7
C7_7
C2_7
C4_7
C3_7
C5_7
C6_7
MYC_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) −0.606
MYC_OE_C176T_A375 (PUJANA_BRC) (PUJANA_BRC) −0.613
EGFP_OE_CTRL_A375 (NUCLEUS) (NUCLEUS) −0.658
ETS1_OE_WT.3_A375 (PUJANA_ATM) (PUJANA_ATM) −0.672
PASD1_OE_G1032T_A375 (OTHER) (OTHER) −0.693
HIST1H1E_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) −0.743
ETV6_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) −0.748
HIST1H1B_OE_WT.1_A375 (PUJANA_ATM) (PUJANA_ATM) −0.758
PASD1_OE_A235G_A375 (OTHER) (OTHER) −0.766
MEF2C_OE_WT.2_A375 (MULTICELLU) (MULTICELLU) −0.824
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

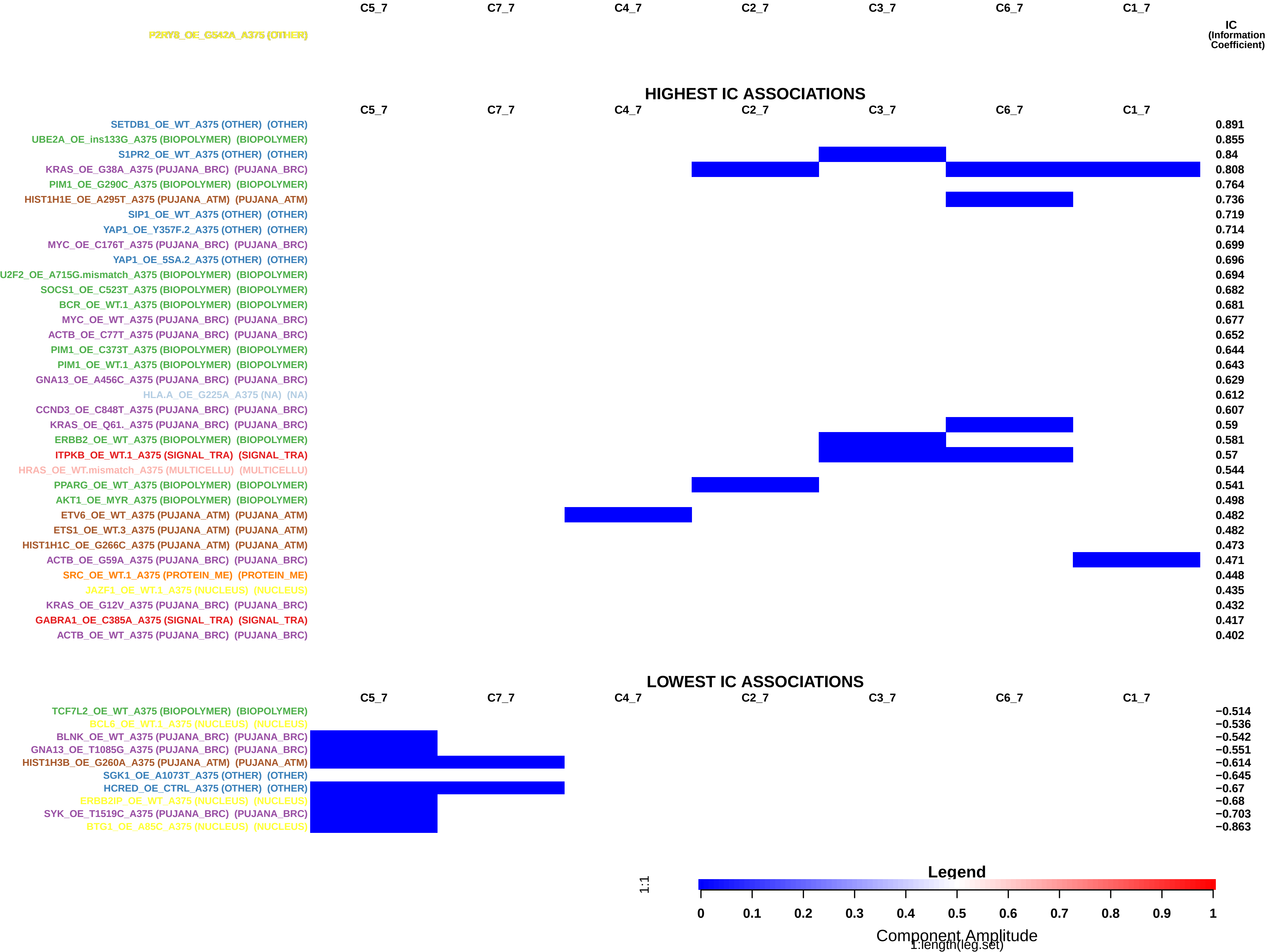
HIST1H1C_OE_C194T_A375 (PUJANA_ATM)



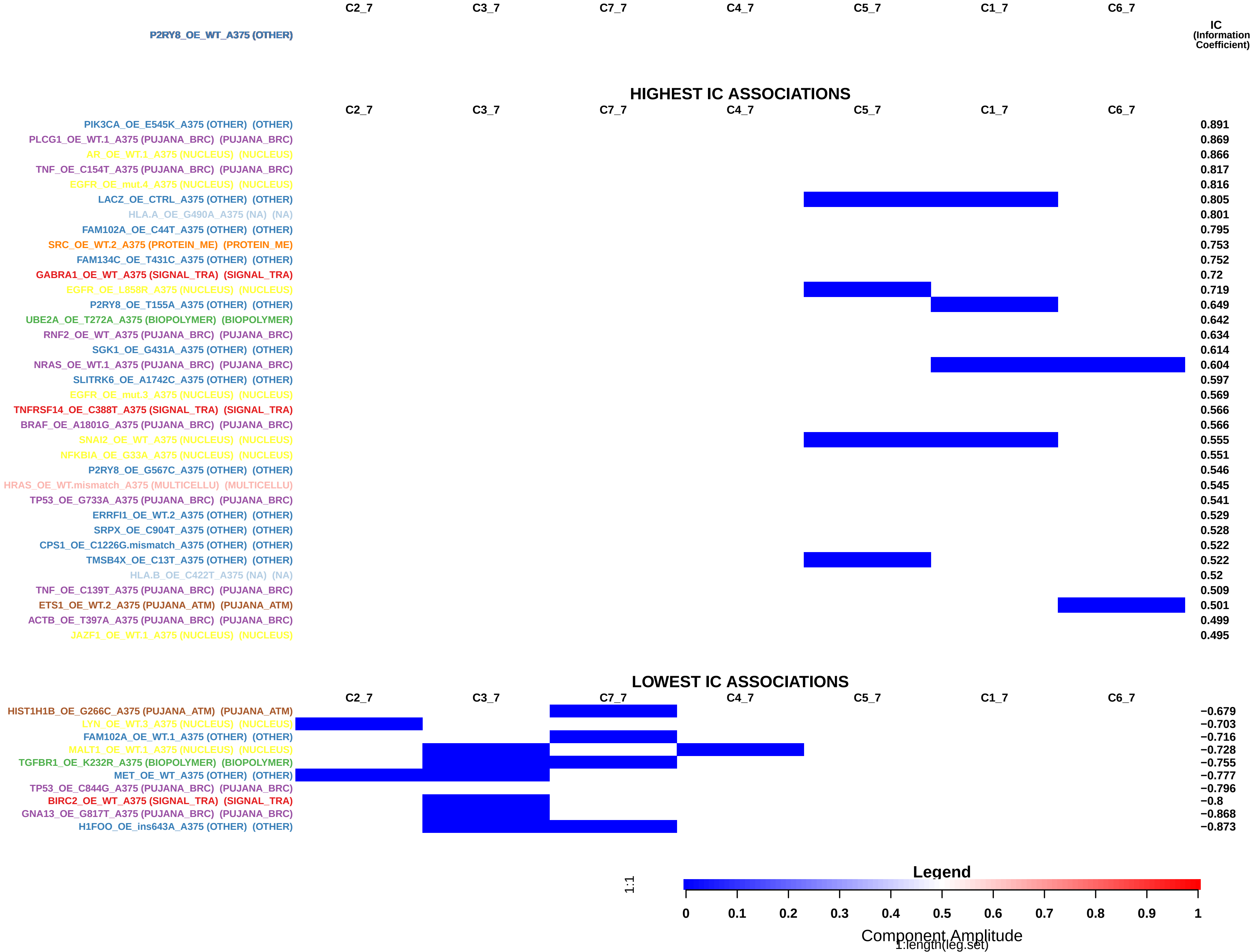
GRB2_OE_WT.mismatch_A375 (PUJANA_BRC)



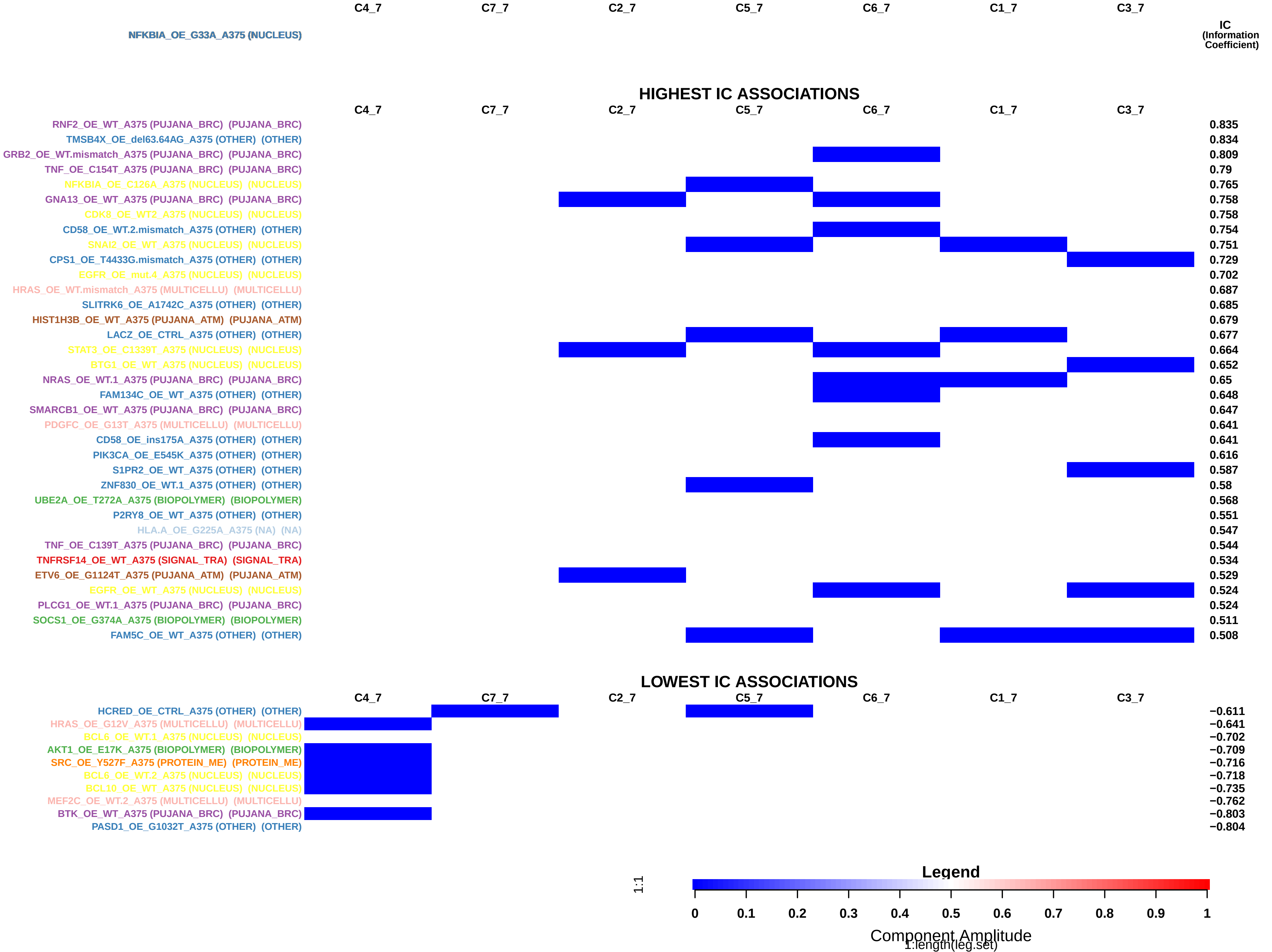
P2RY8_OE_G542A_A375 (OTHER)



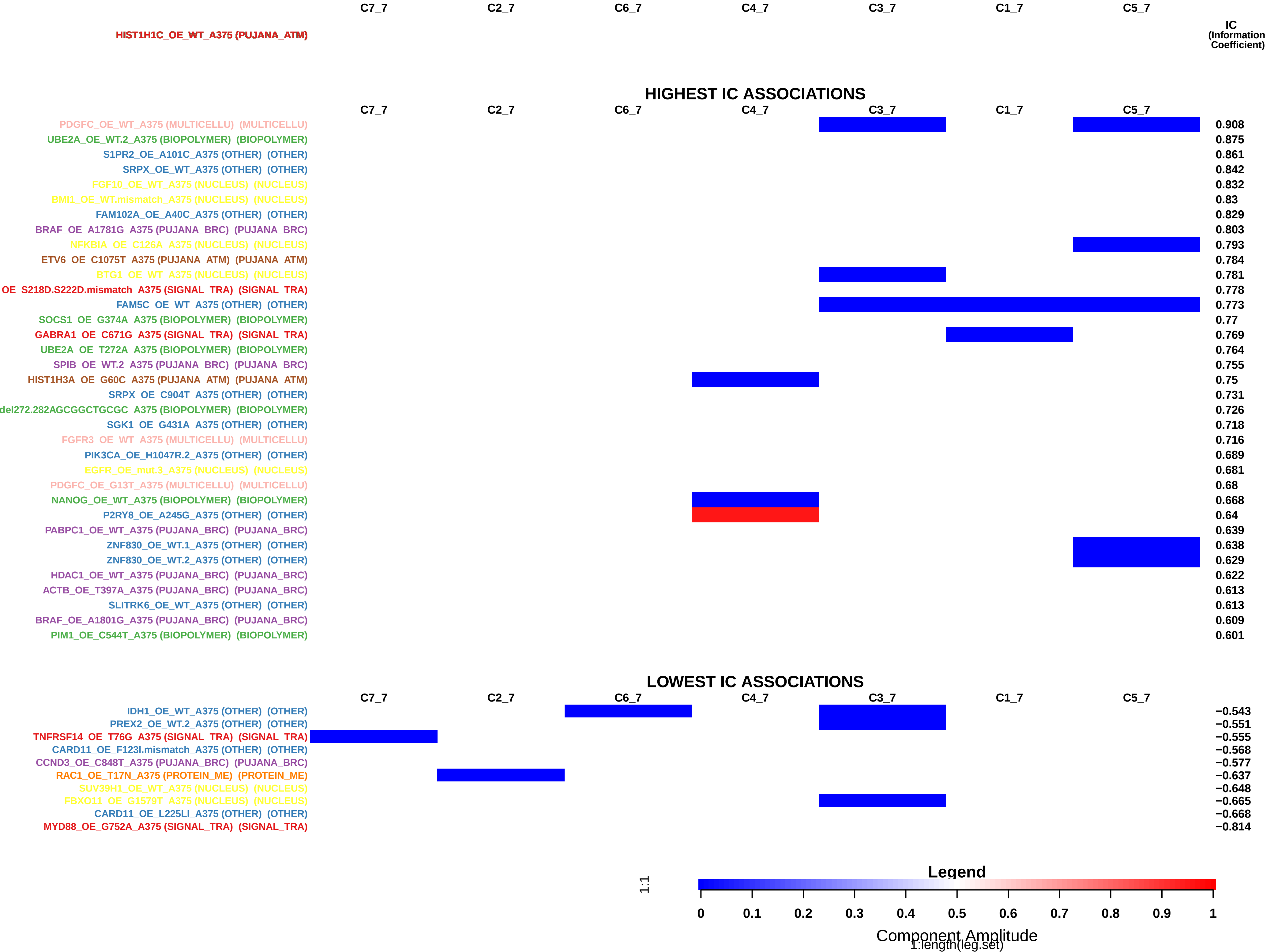
P2RY8_OE_WT_A375 (OTHER)



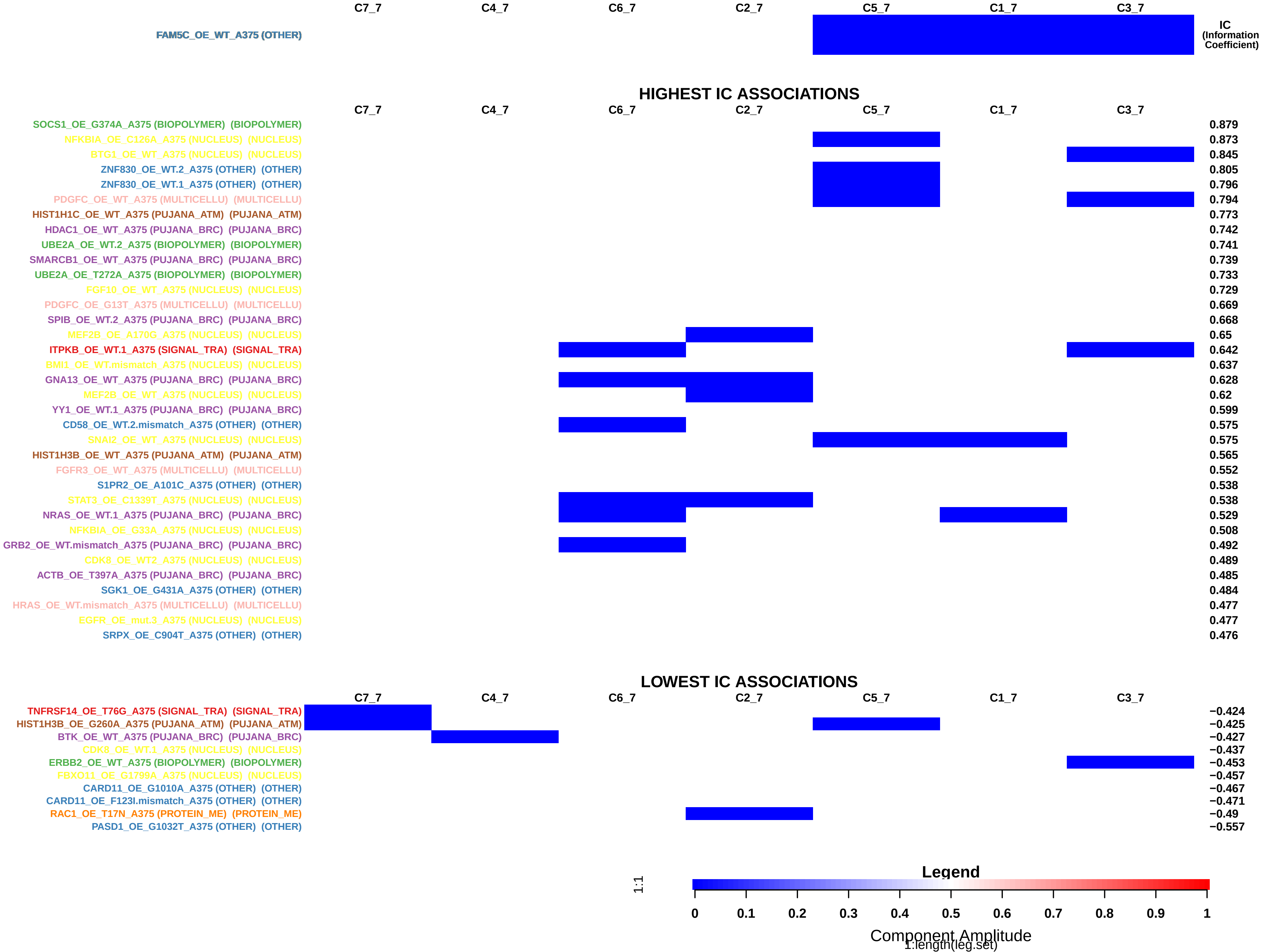
NFKBIA_OE_G33A_A375 (NUCLEUS)

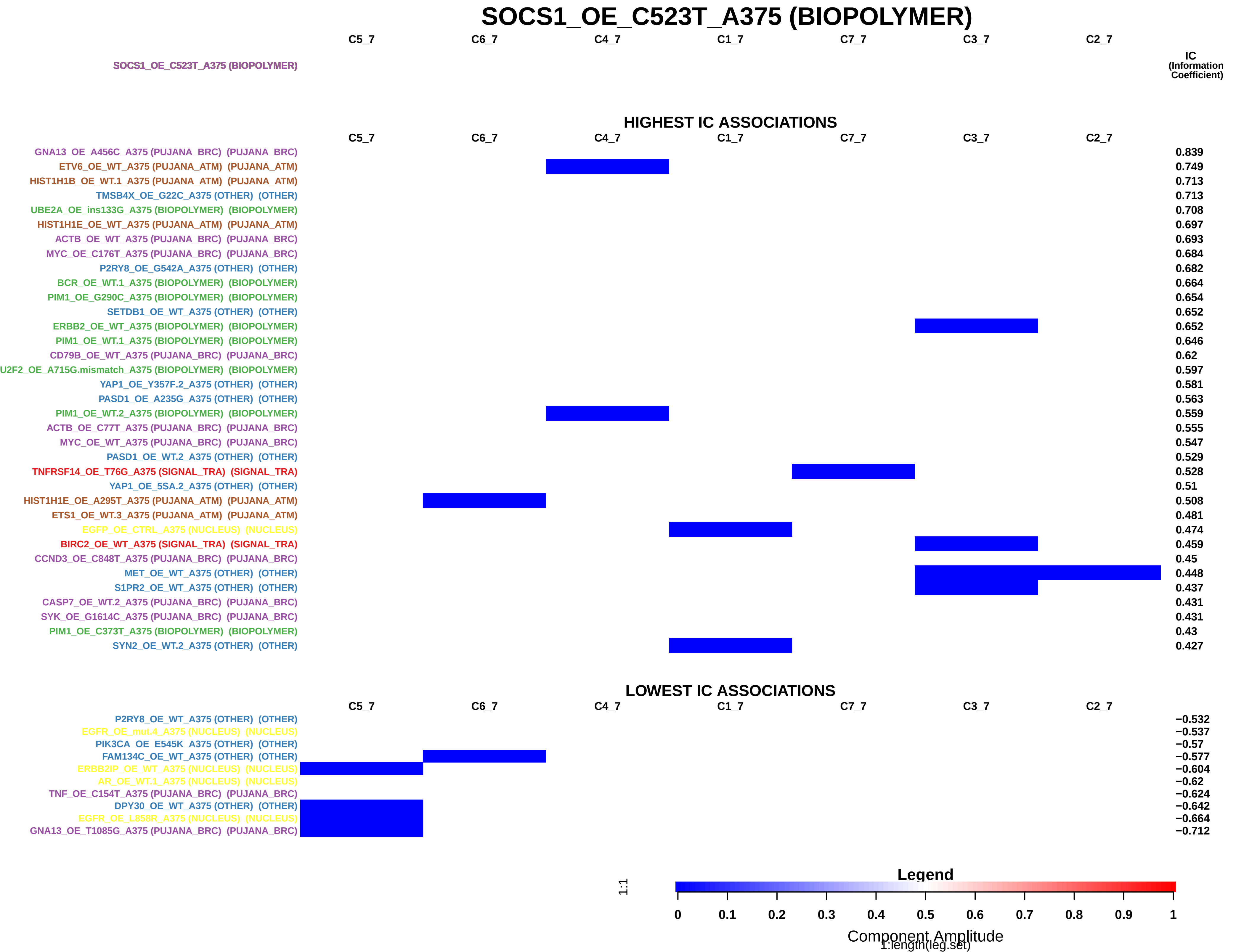


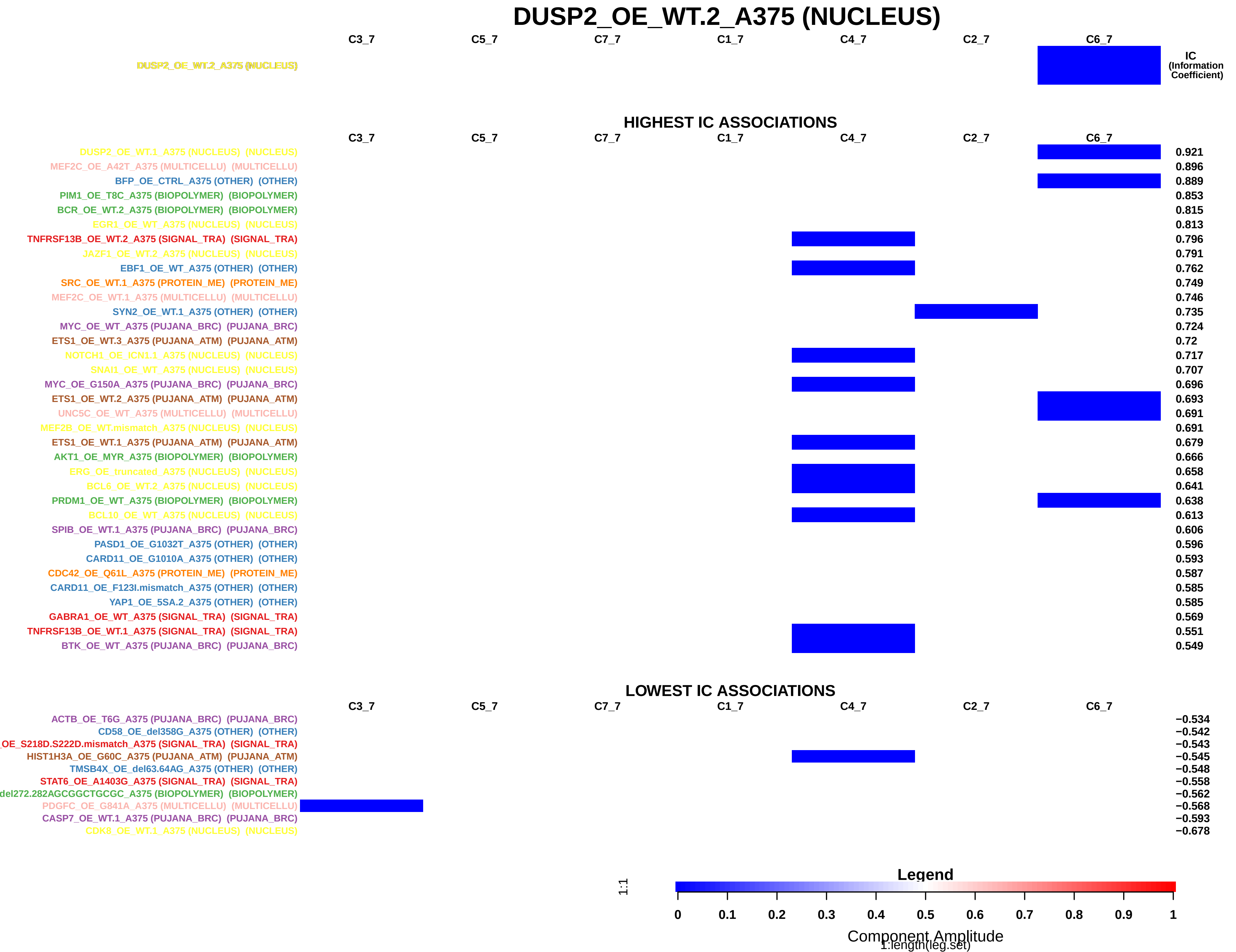
HIST1H1C_OE_WT_A375 (PUJANA_ATM)



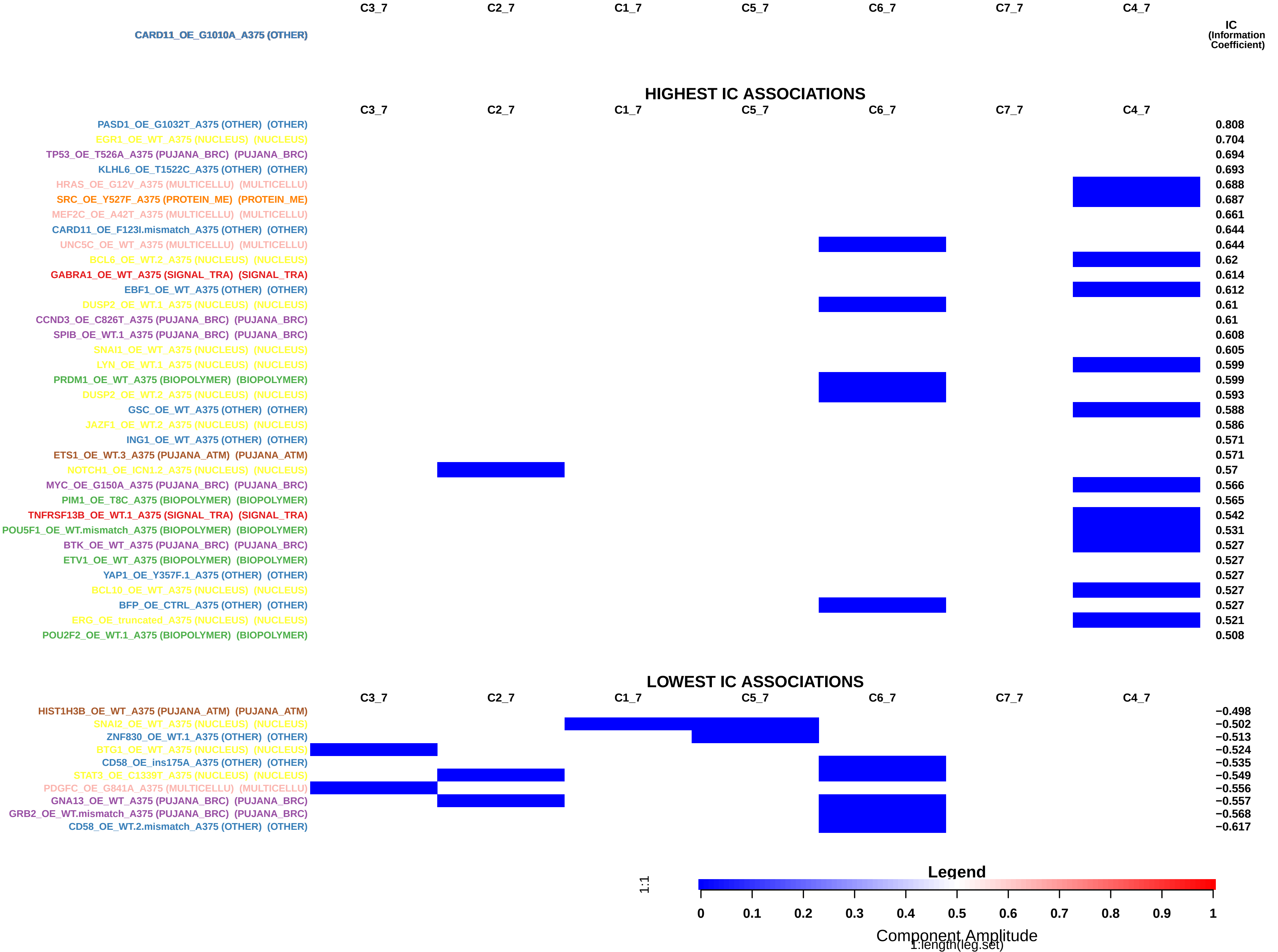
FAM5C_OE_WT_A375 (OTHER)



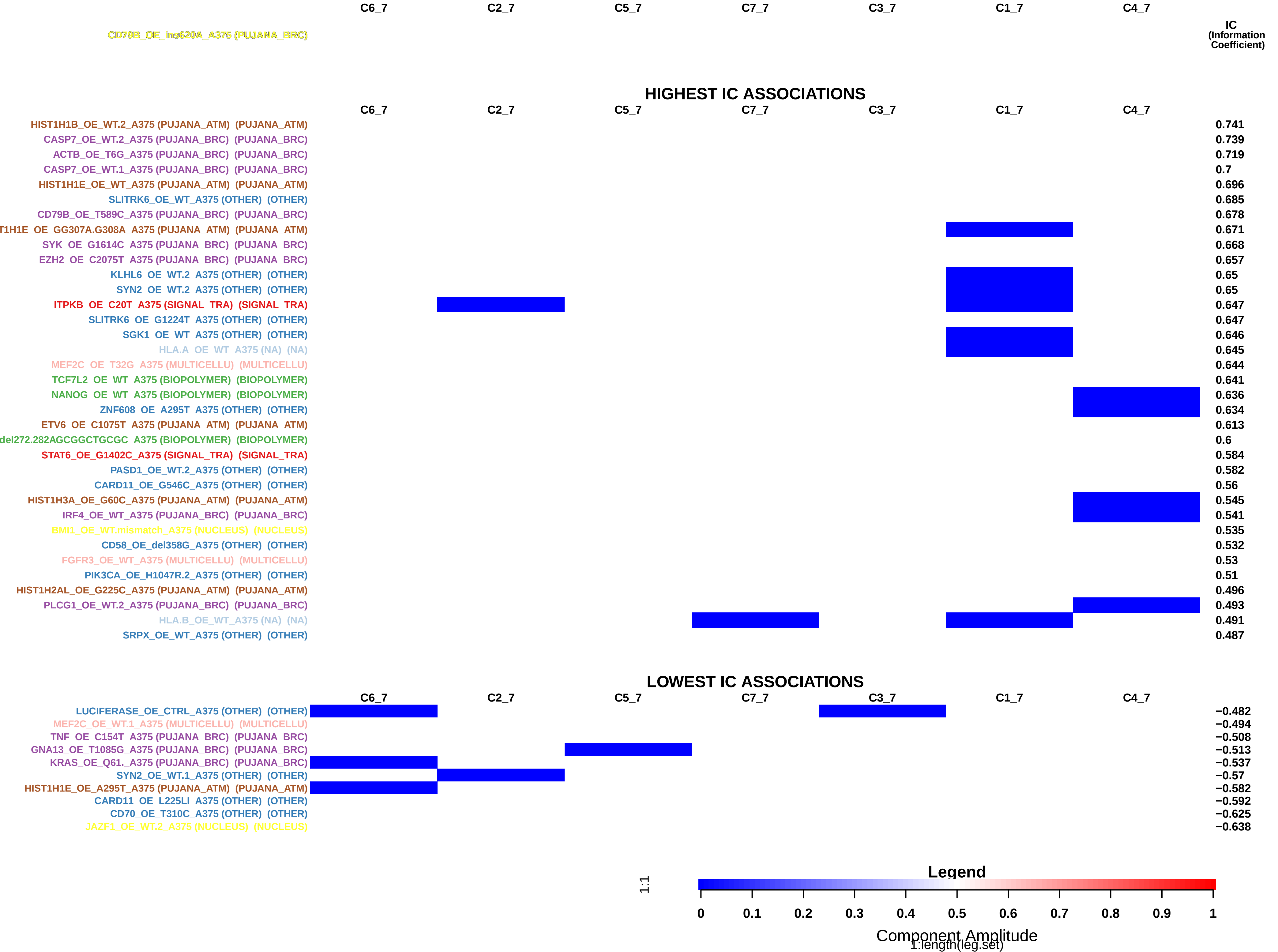

SOCS1_OE_C523T_A375 (BIOPOLYMER)
C5_7
C6_7
C4_7
C1_7
C7_7
C3_7
C2_7
SOCS1_OE_C523T_A375 (BIOPOLYMER)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
GNA13_OE_A456C_A375 (PUJANA_BRC) (PUJANA_BRC) 0.839
ETV6_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.749
HIST1H1B_OE_WT.1_A375 (PUJANA_ATM) (PUJANA_ATM) 0.713
TMSB4X_OE_G22C_A375 (OTHER) (OTHER) 0.713
UBE2A_OE_ins133G_A375 (BIOPOLYMER) (BIOPOLYMER) 0.708
HIST1H1E_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.697
ACTB_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.693
MYC_OE_C176T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.684
P2RY8_OE_G542A_A375 (OTHER) (OTHER) 0.682
BCR_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) 0.664
PIM1_OE_G290C_A375 (BIOPOLYMER) (BIOPOLYMER) 0.654
SETDB1_OE_WT_A375 (OTHER) (OTHER) 0.652
ERBB2_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.652
PIM1_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) 0.646
CD79B_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.62
U2F2_OE_A715G.mismatch_A375 (BIOPOLYMER) (BIOPOLYMER) 0.597
YAP1_OE_Y357F.2_A375 (OTHER) (OTHER) 0.581
PASD1_OE_A235G_A375 (OTHER) (OTHER) 0.563
PIM1_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.559
ACTB_OE_C77T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.555
MYC_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.547
PASD1_OE_WT.2_A375 (OTHER) (OTHER) 0.529
TNFRSF14_OE_T76G_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.528
YAP1_OE_5SA.2_A375 (OTHER) (OTHER) 0.51
HIST1H1E_OE_A295T_A375 (PUJANA_ATM) (PUJANA_ATM) 0.508
ETS1_OE_WT.3_A375 (PUJANA_ATM) (PUJANA_ATM) 0.481
EGFP_OE_CTRL_A375 (NUCLEUS) (NUCLEUS) 0.474
BIRC2_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.459
CCND3_OE_C848T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.45
MET_OE_WT_A375 (OTHER) (OTHER) 0.448
S1PR2_OE_WT_A375 (OTHER) (OTHER) 0.437
CASP7_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.431
SYK_OE_G1614C_A375 (PUJANA_BRC) (PUJANA_BRC) 0.431
PIM1_OE_C373T_A375 (BIOPOLYMER) (BIOPOLYMER) 0.43
SYN2_OE_WT.2_A375 (OTHER) (OTHER) 0.427
LOWEST IC ASSOCIATIONS
P2RY8_OE_WT_A375 (OTHER) (OTHER) −0.532
EGFR_OE_mut.4_A375 (NUCLEUS) (NUCLEUS) −0.537
PIK3CA_OE_E545K_A375 (OTHER) (OTHER) −0.57
FAM134C_OE_WT_A375 (OTHER) (OTHER) −0.577
ERBB2IP_OE_WT_A375 (NUCLEUS) (NUCLEUS) −0.604
AR_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) −0.62
TNF_OE_C154T_A375 (PUJANA_BRC) (PUJANA_BRC) −0.624
DPY30_OE_WT_A375 (OTHER) (OTHER) −0.642
EGFR_OE_L858R_A375 (NUCLEUS) (NUCLEUS) −0.664
GNA13_OE_T1085G_A375 (PUJANA_BRC) (PUJANA_BRC) −0.712
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)


DUSP2_OE_WT.2_A375 (NUCLEUS)
C3_7
C5_7
C7_7
C1_7
C4_7
C2_7
C6_7
DUSP2_OE_WT.2_A375 (NUCLEUS)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
C3_7
C5_7
C7_7
C1_7
C4_7
C2_7
C6_7
DUSP2_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.921
MEF2C_OE_A42T_A375 (MULTICELLU) (MULTICELLU) 0.896
BFP_OE_CTRL_A375 (OTHER) (OTHER) 0.889
PIM1_OE_T8C_A375 (BIOPOLYMER) (BIOPOLYMER) 0.853
BCR_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.815
EGR1_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.813
TNFRSF13B_OE_WT.2_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.796
JAZF1_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.791
EBF1_OE_WT_A375 (OTHER) (OTHER) 0.762
SRC_OE_WT.1_A375 (PROTEIN_ME) (PROTEIN_ME) 0.749
MEF2C_OE_WT.1_A375 (MULTICELLU) (MULTICELLU) 0.746
SYN2_OE_WT.1_A375 (OTHER) (OTHER) 0.735
MYC_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.724
ETS1_OE_WT.3_A375 (PUJANA_ATM) (PUJANA_ATM) 0.72
NOTCH1_OE_ICN1.1_A375 (NUCLEUS) (NUCLEUS) 0.717
SNAI1_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.707
MYC_OE_G150A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.696
ETS1_OE_WT.2_A375 (PUJANA_ATM) (PUJANA_ATM) 0.693
UNC5C_OE_WT_A375 (MULTICELLU) (MULTICELLU) 0.691
MEF2B_OE_WT.mismatch_A375 (NUCLEUS) (NUCLEUS) 0.691
ETS1_OE_WT.1_A375 (PUJANA_ATM) (PUJANA_ATM) 0.679
AKT1_OE_MYR_A375 (BIOPOLYMER) (BIOPOLYMER) 0.666
ERG_OE_truncated_A375 (NUCLEUS) (NUCLEUS) 0.658
BCL6_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.641
PRDM1_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.638
BCL10_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.613
SPIB_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) 0.606
PASD1_OE_G1032T_A375 (OTHER) (OTHER) 0.596
CARD11_OE_G1010A_A375 (OTHER) (OTHER) 0.593
CDC42_OE_Q61L_A375 (PROTEIN_ME) (PROTEIN_ME) 0.587
CARD11_OE_F123I.mismatch_A375 (OTHER) (OTHER) 0.585
YAP1_OE_5SA.2_A375 (OTHER) (OTHER) 0.585
GABRA1_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.569
TNFRSF13B_OE_WT.1_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.551
BTK_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.549
LOWEST IC ASSOCIATIONS
C3_7
C5_7
C7_7
C1_7
C4_7
C2_7
C6_7
ACTB_OE_T6G_A375 (PUJANA_BRC) (PUJANA_BRC) −0.534
CD58_OE_del358G_A375 (OTHER) (OTHER) −0.542
OE_S218D.S222D.mismatch_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.543
HIST1H3A_OE_G60C_A375 (PUJANA_ATM) (PUJANA_ATM) −0.545
TMSB4X_OE_del63.64AG_A375 (OTHER) (OTHER) −0.548
STAT6_OE_A1403G_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.558
del272.282AGCGGCTGCGC_A375 (BIOPOLYMER) (BIOPOLYMER) −0.562
PDGFC_OE_G841A_A375 (MULTICELLU) (MULTICELLU) −0.568
CASP7_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) −0.593
CDK8_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) −0.678
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

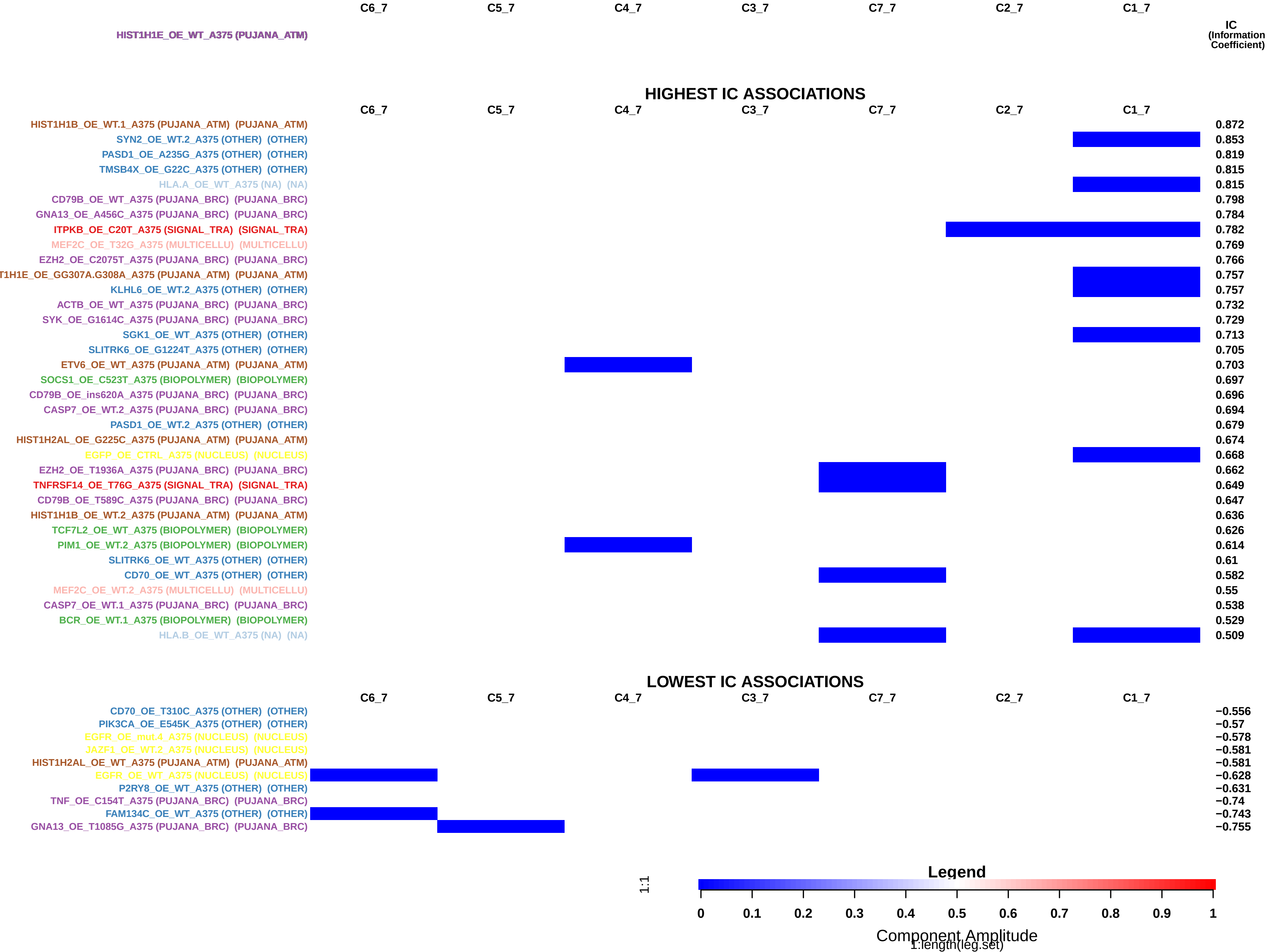
CARD11_OE_G1010A_A375 (OTHER)



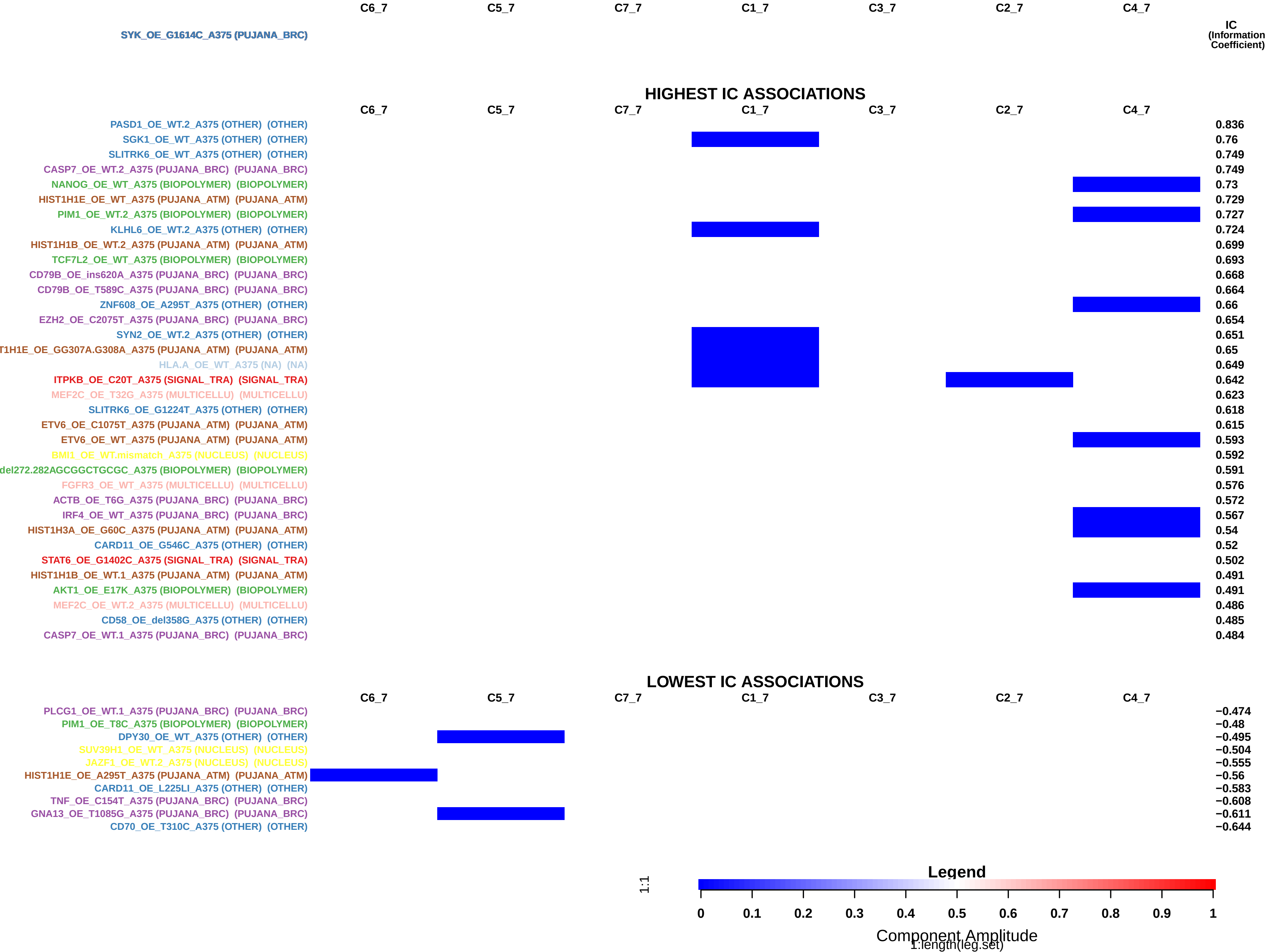
CD79B_OE_ins620A_A375 (PUJANA_BRC)



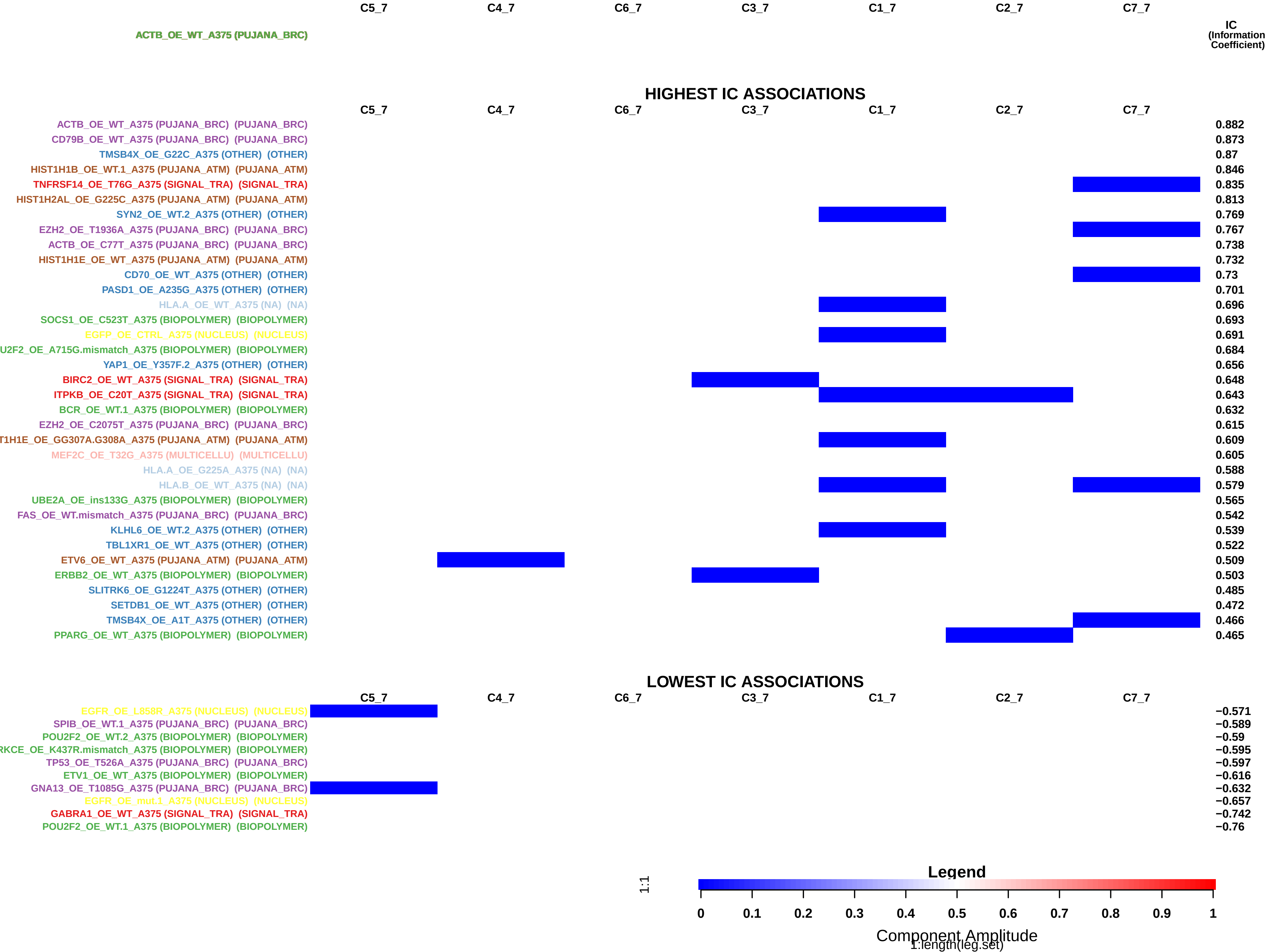
HIST1H1E_OE_WT_A375 (PUJANA_ATM)



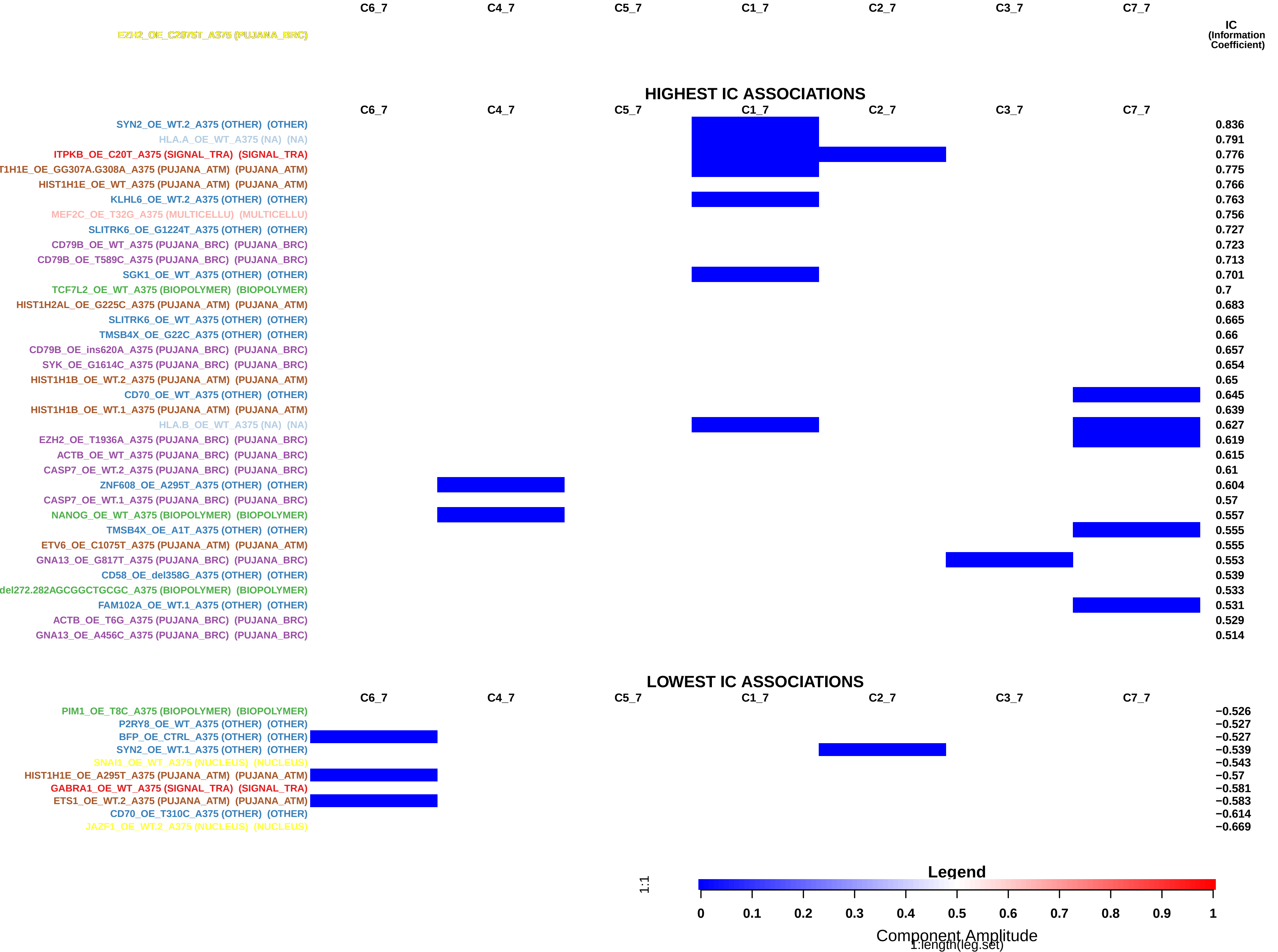
SYK_OE_G1614C_A375 (PUJANA_BRC)



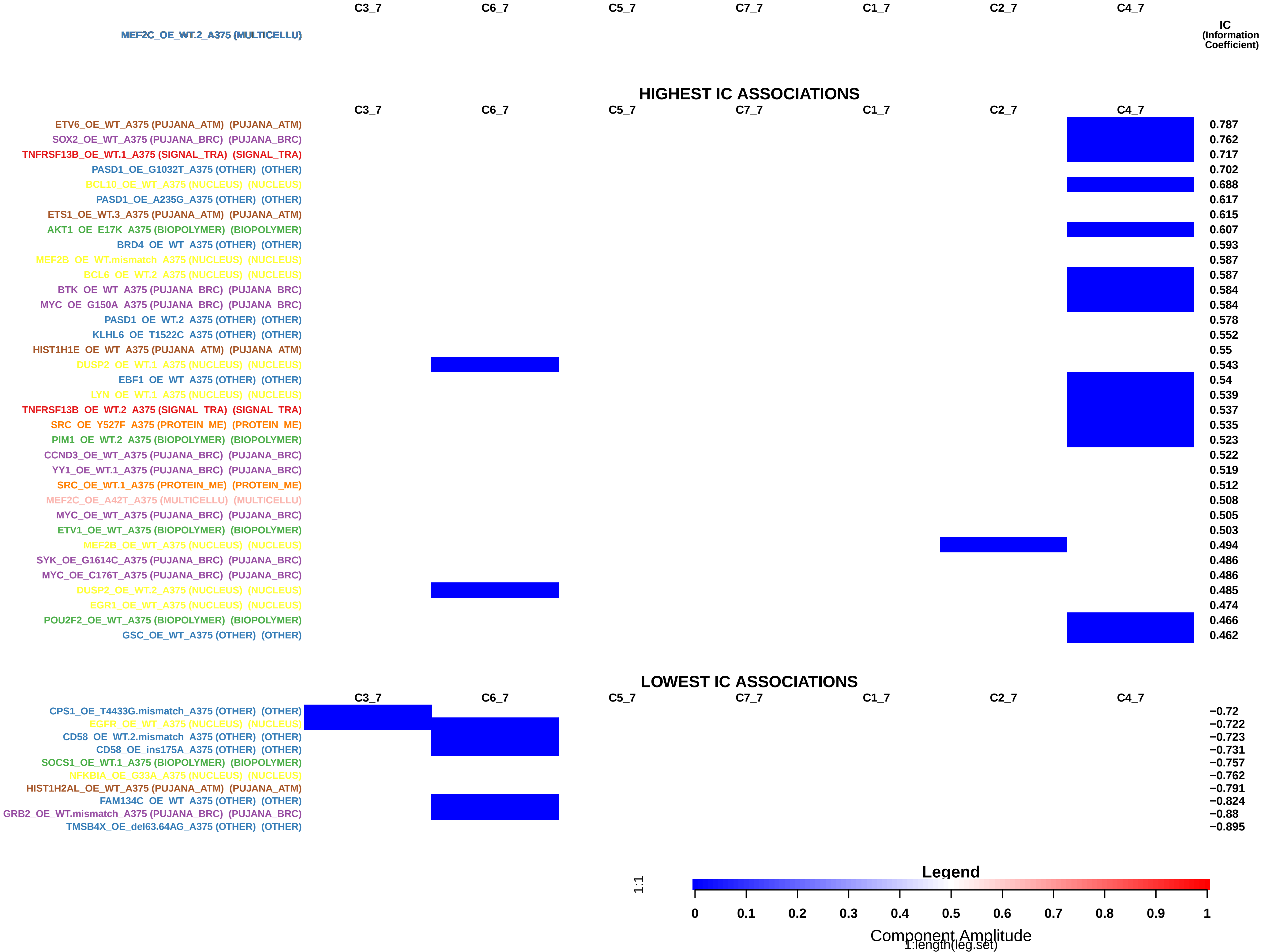
ACTB_OE_WT_A375 (PUJANA_BRC)

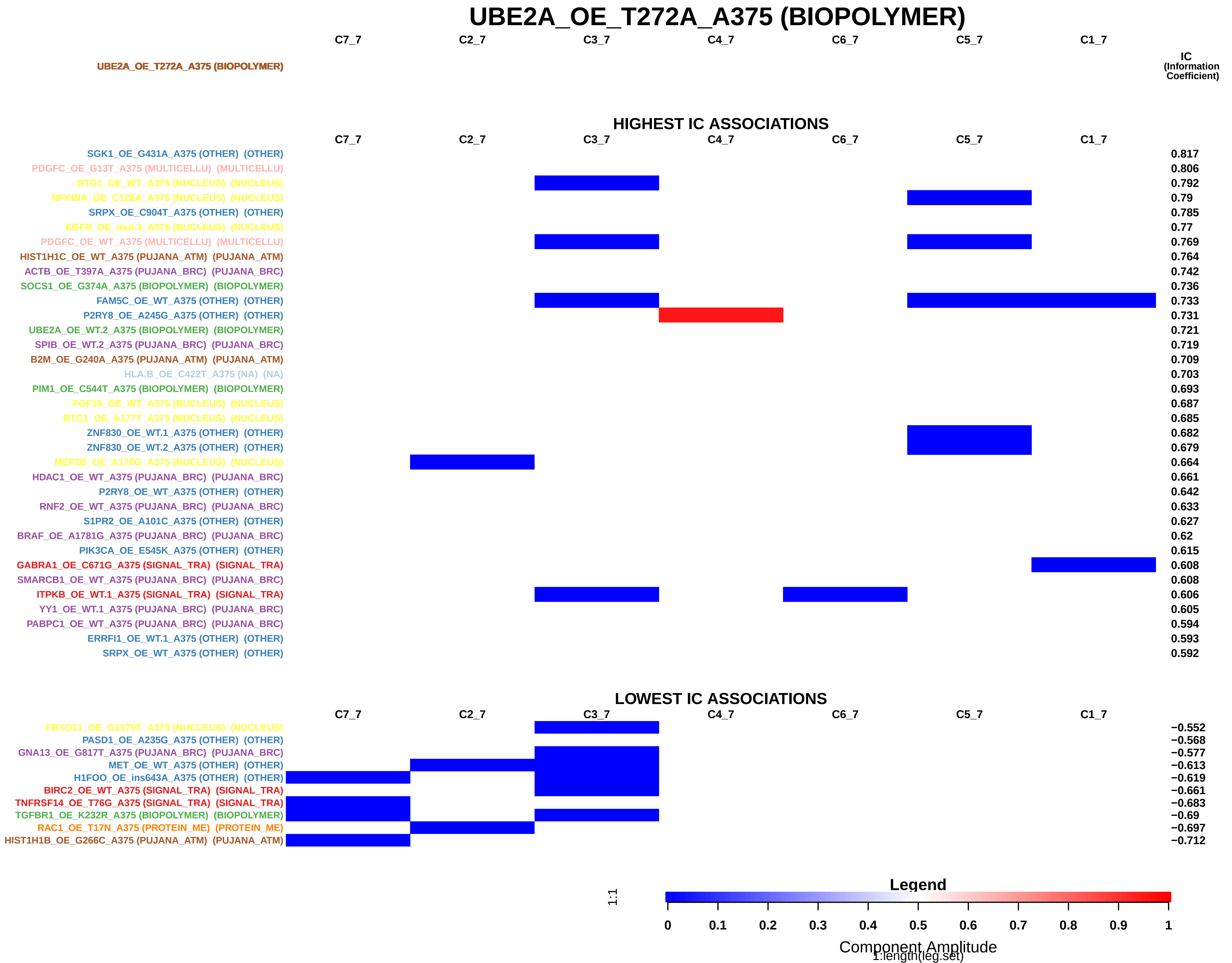


EZH2_OE_C2075T_A375 (PUJANA_BRC)

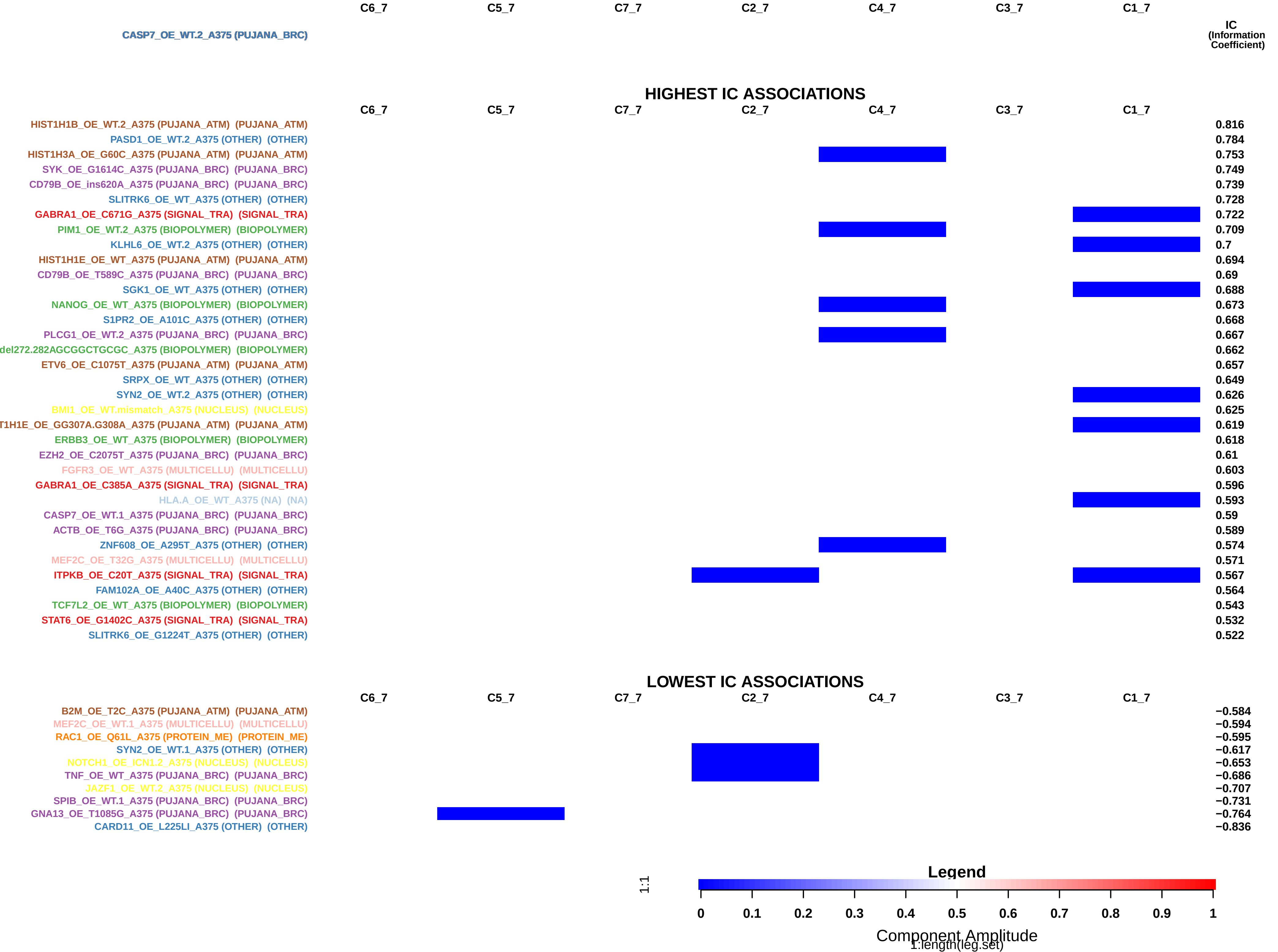


MEF2C_OE_WT.2_A375 (MULTICELLU)

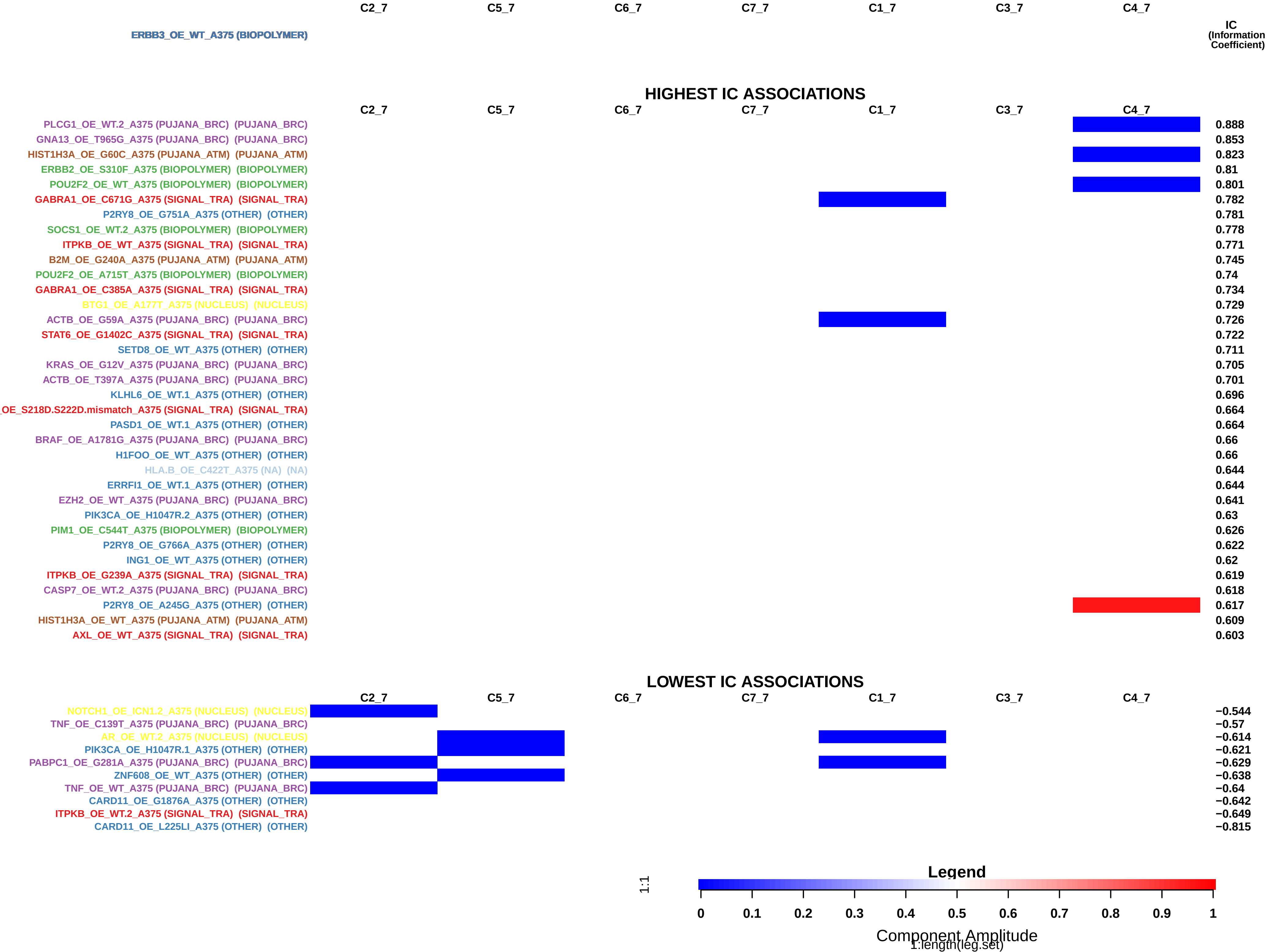



UBE2A_OE_T272A_A375 (BIOPOLYMER)
C7_7
C2_7
C3_7
C4_7
C6_7
C5_7
C1_7
UBE2A_OE_T272A_A375 (BIOPOLYMER)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
C7_7
C2_7
C3_7
C4_7
C6_7
C5_7
C1_7
SGK1_OE_G431A_A375 (OTHER) (OTHER) 0.817
PDGFC_OE_G13T_A375 (MULTICELLU) (MULTICELLU) 0.806
BTG1_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.792
NFKBIA_OE_C126A_A375 (NUCLEUS) (NUCLEUS) 0.79
SRPX_OE_C904T_A375 (OTHER) (OTHER) 0.785
EGFR_OE_mut.3_A375 (NUCLEUS) (NUCLEUS) 0.77
PDGFC_OE_WT_A375 (MULTICELLU) (MULTICELLU) 0.769
HIST1H1C_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.764
ACTB_OE_T397A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.742
SOCS1_OE_G374A_A375 (BIOPOLYMER) (BIOPOLYMER) 0.736
FAM5C_OE_WT_A375 (OTHER) (OTHER) 0.733
P2RY8_OE_A245G_A375 (OTHER) (OTHER) 0.731
UBE2A_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.721
SPIB_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.719
B2M_OE_G240A_A375 (PUJANA_ATM) (PUJANA_ATM) 0.709
HLA.B_OE_C422T_A375 (NA) (NA) 0.703
PIM1_OE_C544T_A375 (BIOPOLYMER) (BIOPOLYMER) 0.693
FGF10_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.687
BTG1_OE_A177T_A375 (NUCLEUS) (NUCLEUS) 0.685
ZNF830_OE_WT.1_A375 (OTHER) (OTHER) 0.682
ZNF830_OE_WT.2_A375 (OTHER) (OTHER) 0.679
MEF2B_OE_A170G_A375 (NUCLEUS) (NUCLEUS) 0.664
HDAC1_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.661
P2RY8_OE_WT_A375 (OTHER) (OTHER) 0.642
RNF2_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.633
S1PR2_OE_A101C_A375 (OTHER) (OTHER) 0.627
BRAF_OE_A1781G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.62
PIK3CA_OE_E545K_A375 (OTHER) (OTHER) 0.615
GABRA1_OE_C671G_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.608
SMARCB1_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.608
ITPKB_OE_WT.1_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.606
YY1_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) 0.605
PABPC1_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.594
ERRFI1_OE_WT.1_A375 (OTHER) (OTHER) 0.593
SRPX_OE_WT_A375 (OTHER) (OTHER) 0.592
LOWEST IC ASSOCIATIONS
C7_7
C2_7
C3_7
C4_7
C6_7
C5_7
C1_7
FBXO11_OE_G1579T_A375 (NUCLEUS) (NUCLEUS) −0.552
PASD1_OE_A235G_A375 (OTHER) (OTHER) −0.568
GNA13_OE_G817T_A375 (PUJANA_BRC) (PUJANA_BRC) −0.577
MET_OE_WT_A375 (OTHER) (OTHER) −0.613
H1FOO_OE_ins643A_A375 (OTHER) (OTHER) −0.619
BIRC2_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.661
TNFRSF14_OE_T76G_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.683
TGFBR1_OE_K232R_A375 (BIOPOLYMER) (BIOPOLYMER) −0.69
RAC1_OE_T17N_A375 (PROTEIN_ME) (PROTEIN_ME) −0.697
HIST1H1B_OE_G266C_A375 (PUJANA_ATM) (PUJANA_ATM) −0.712
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

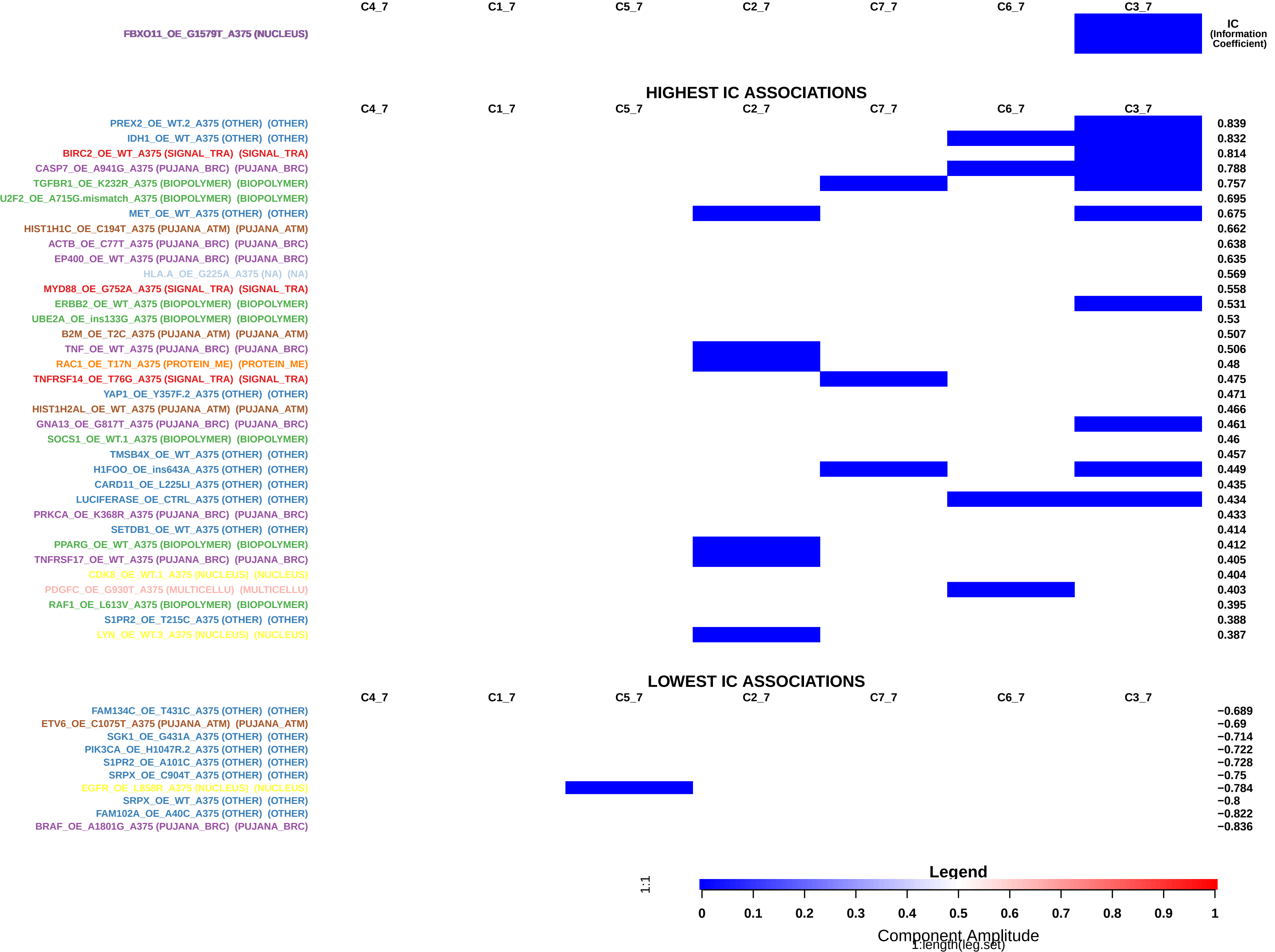
CASP7_OE_WT.2_A375 (PUJANA_BRC)



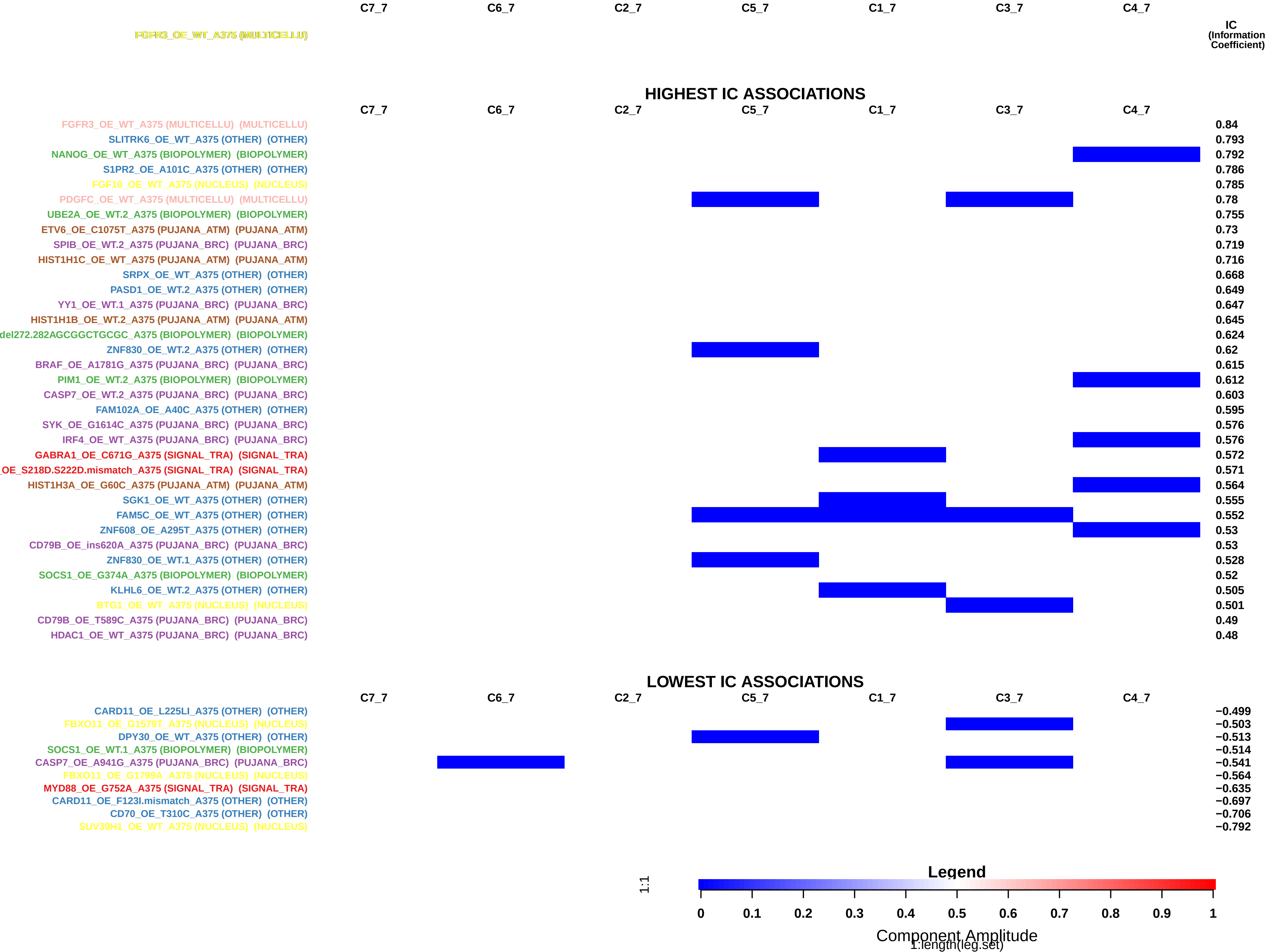
ERBB3_OE_WT_A375 (BIOPOLYMER)



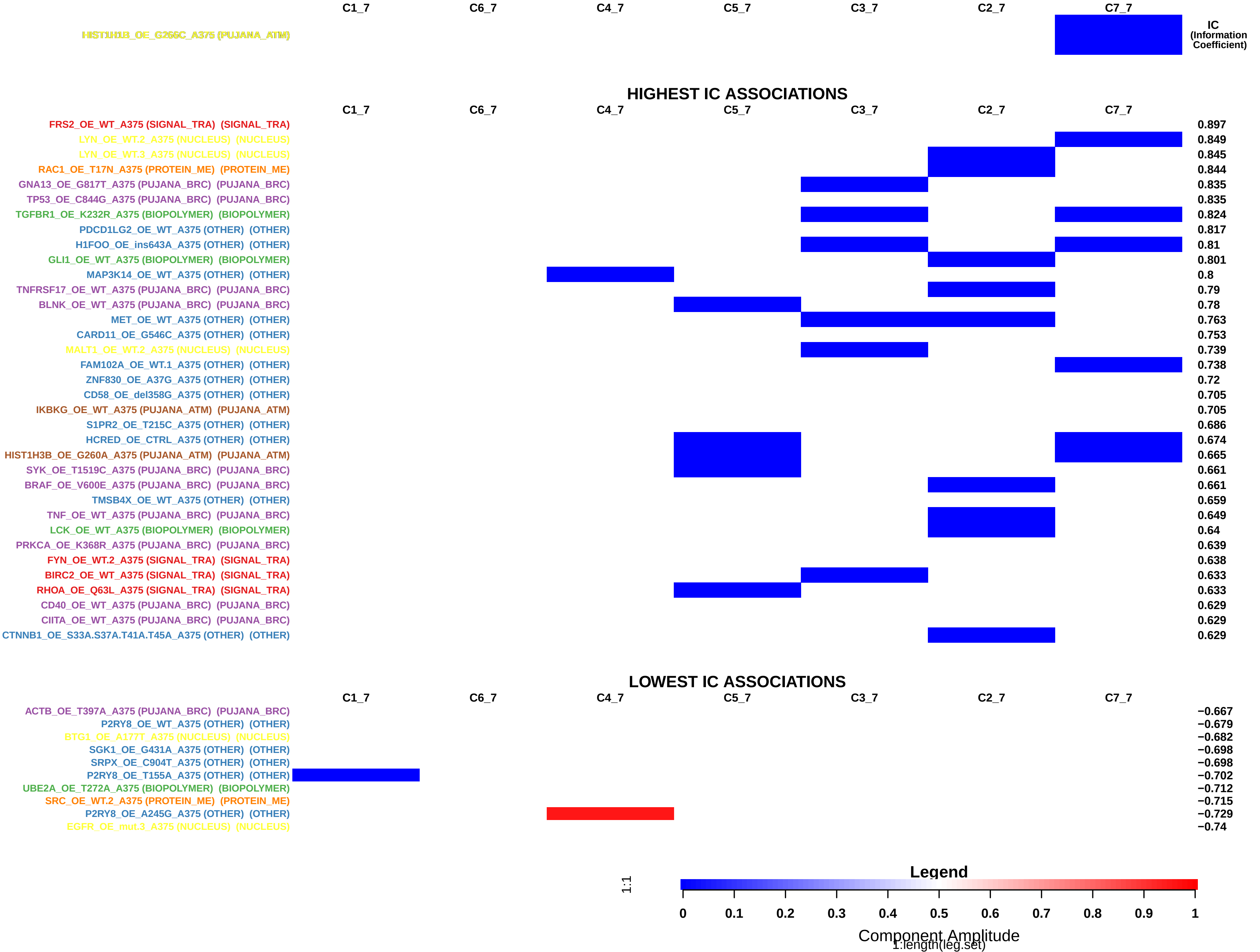
FBXO11_OE_G1579T_A375 (NUCLEUS)

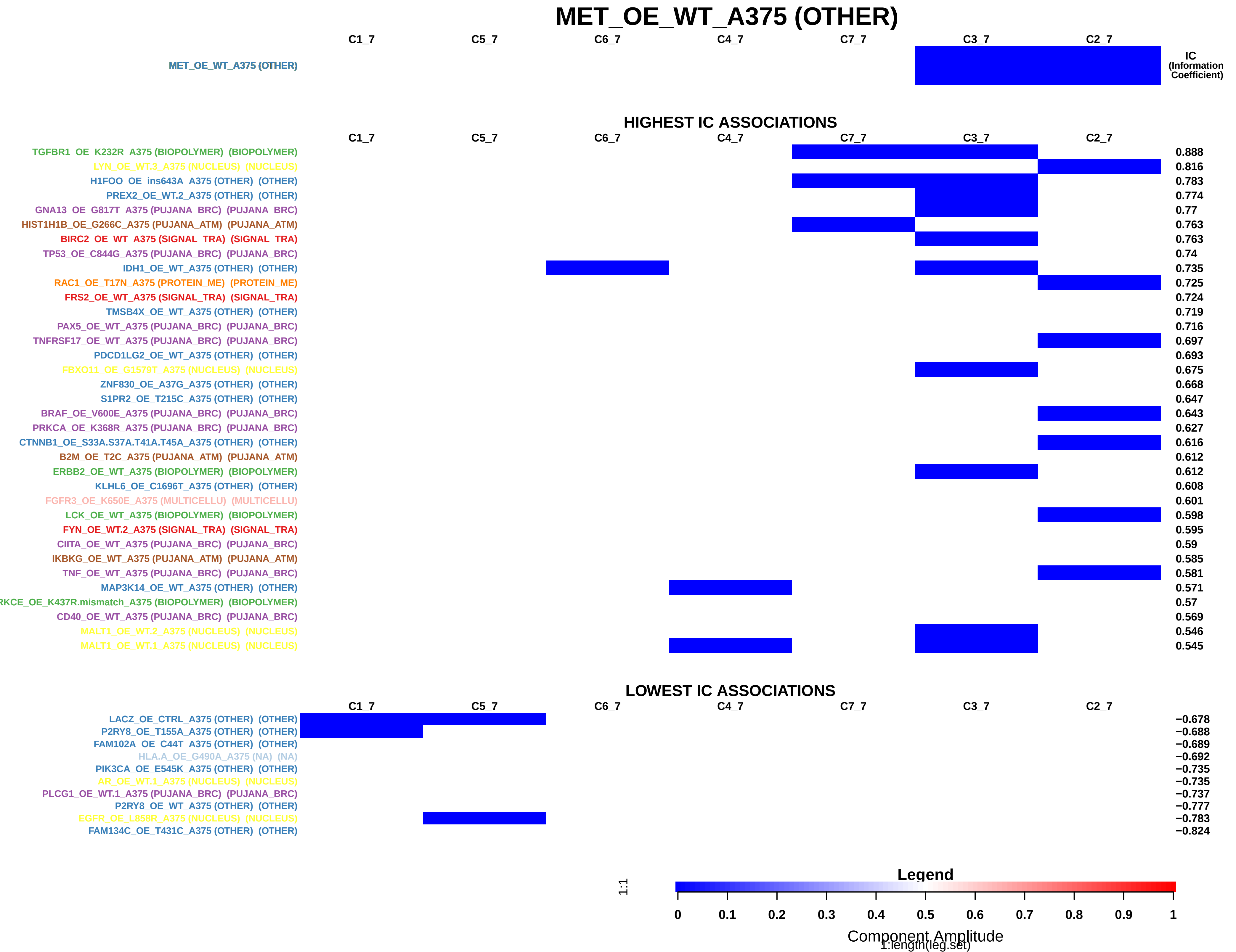


FGFR3_OE_WT_A375 (MULTICELLU)

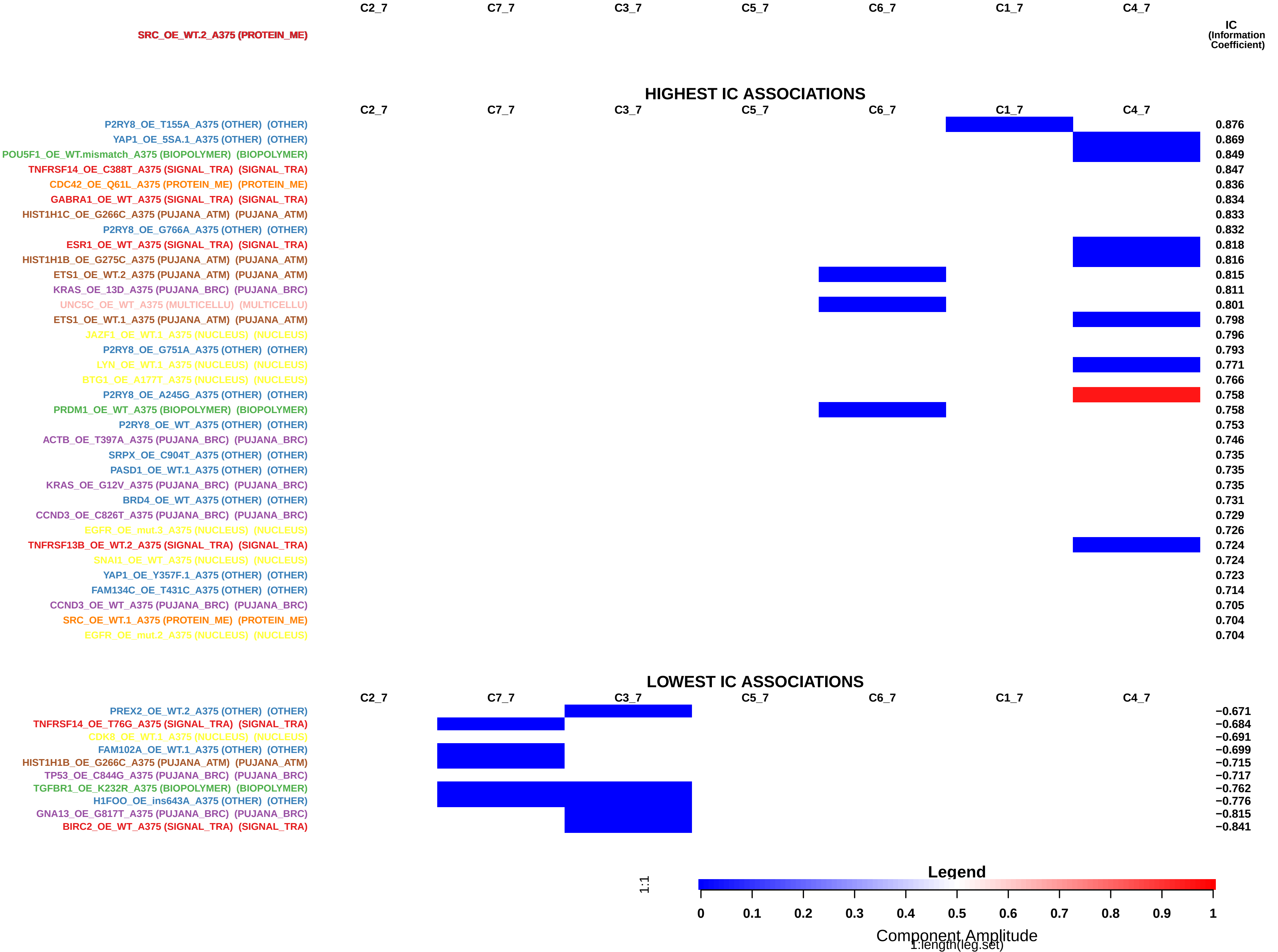


HIST1H1B_OE_G266C_A375 (PUJANA_ATM)

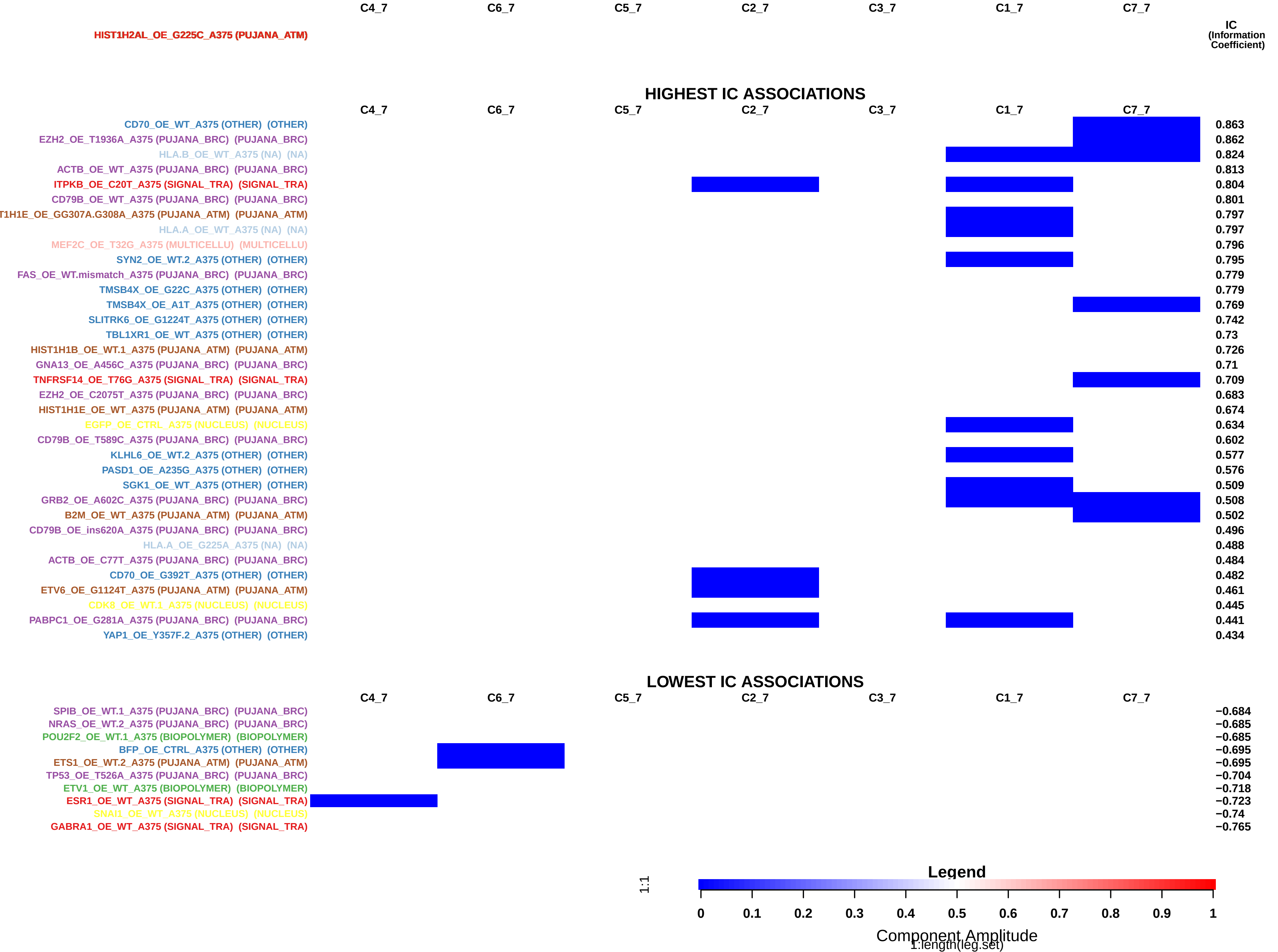



MET_OE_WT_A375 (OTHER)
C1_7
C5_7
C6_7
C4_7
C7_7
C3_7
C2_7
MET_OE_WT_A375 (OTHER)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
TGFBR1_OE_K232R_A375 (BIOPOLYMER) (BIOPOLYMER) 0.888
LYN_OE_WT.3_A375 (NUCLEUS) (NUCLEUS) 0.816
H1FOO_OE_ins643A_A375 (OTHER) (OTHER) 0.783
PREX2_OE_WT.2_A375 (OTHER) (OTHER) 0.774
GNA13_OE_G817T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.77
HIST1H1B_OE_G266C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.763
BIRC2_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.763
TP53_OE_C844G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.74
IDH1_OE_WT_A375 (OTHER) (OTHER) 0.735
RAC1_OE_T17N_A375 (PROTEIN_ME) (PROTEIN_ME) 0.725
FRS2_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.724
TMSB4X_OE_WT_A375 (OTHER) (OTHER) 0.719
PAX5_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.716
TNFRSF17_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.697
PDCD1LG2_OE_WT_A375 (OTHER) (OTHER) 0.693
FBXO11_OE_G1579T_A375 (NUCLEUS) (NUCLEUS) 0.675
ZNF830_OE_A37G_A375 (OTHER) (OTHER) 0.668
S1PR2_OE_T215C_A375 (OTHER) (OTHER) 0.647
BRAF_OE_V600E_A375 (PUJANA_BRC) (PUJANA_BRC) 0.643
PRKCA_OE_K368R_A375 (PUJANA_BRC) (PUJANA_BRC) 0.627
CTNNB1_OE_S33A.S37A.T41A.T45A_A375 (OTHER) (OTHER) 0.616
B2M_OE_T2C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.612
ERBB2_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.612
KLHL6_OE_C1696T_A375 (OTHER) (OTHER) 0.608
FGFR3_OE_K650E_A375 (MULTICELLU) (MULTICELLU) 0.601
LCK_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.598
FYN_OE_WT.2_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.595
CIITA_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.59
IKBKG_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.585
TNF_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.581
MAP3K14_OE_WT_A375 (OTHER) (OTHER) 0.571
RKCE_OE_K437R.mismatch_A375 (BIOPOLYMER) (BIOPOLYMER) 0.57
CD40_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.569
MALT1_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.546
MALT1_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.545
LOWEST IC ASSOCIATIONS
LACZ_OE_CTRL_A375 (OTHER) (OTHER) −0.678
P2RY8_OE_T155A_A375 (OTHER) (OTHER) −0.688
FAM102A_OE_C44T_A375 (OTHER) (OTHER) −0.689
HLA.A_OE_G490A_A375 (NA) (NA) −0.692
PIK3CA_OE_E545K_A375 (OTHER) (OTHER) −0.735
AR_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) −0.735
PLCG1_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) −0.737
P2RY8_OE_WT_A375 (OTHER) (OTHER) −0.777
EGFR_OE_L858R_A375 (NUCLEUS) (NUCLEUS) −0.783
FAM134C_OE_T431C_A375 (OTHER) (OTHER) −0.824
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

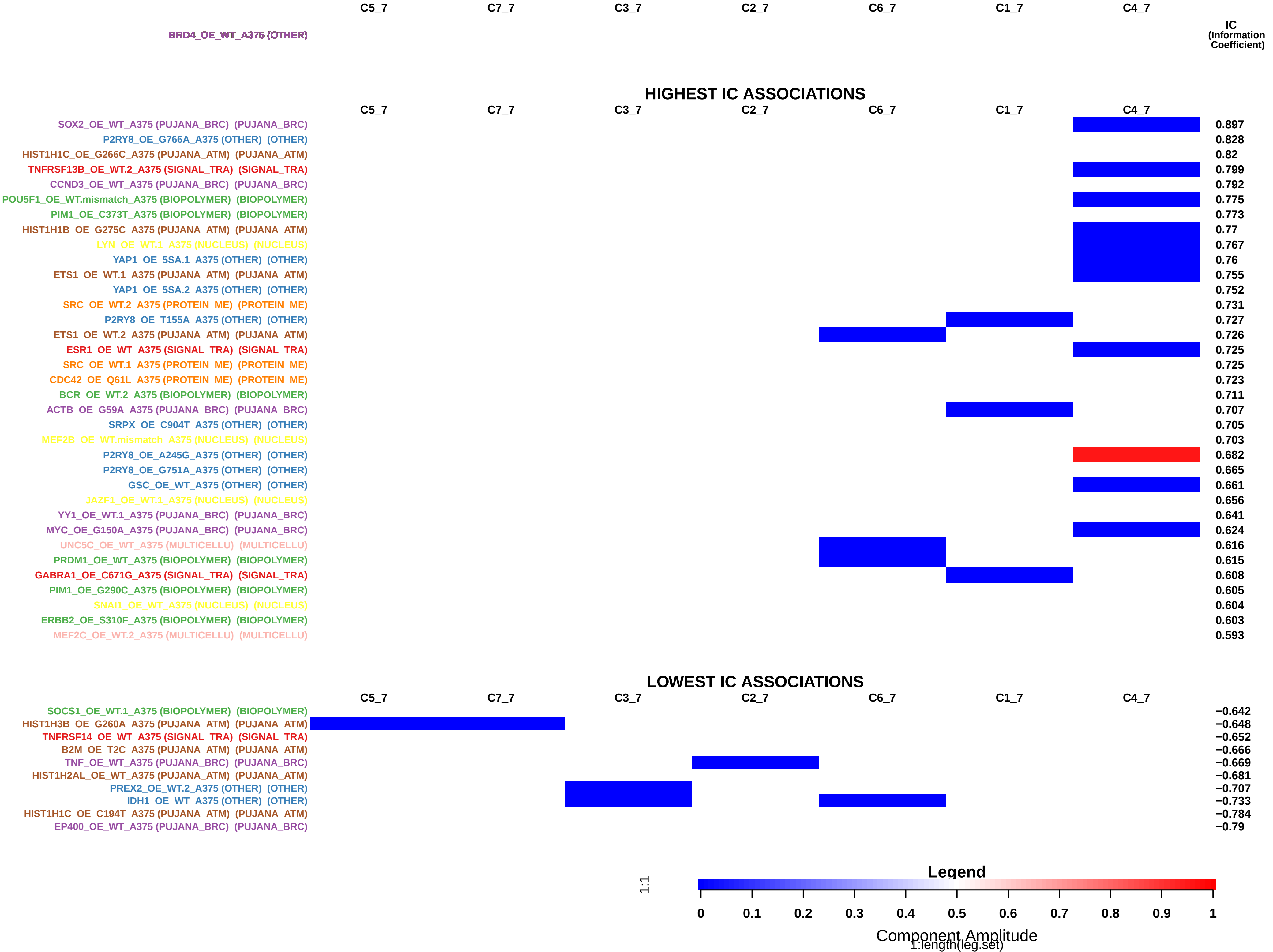
SRC_OE_WT.2_A375 (PROTEIN_ME)



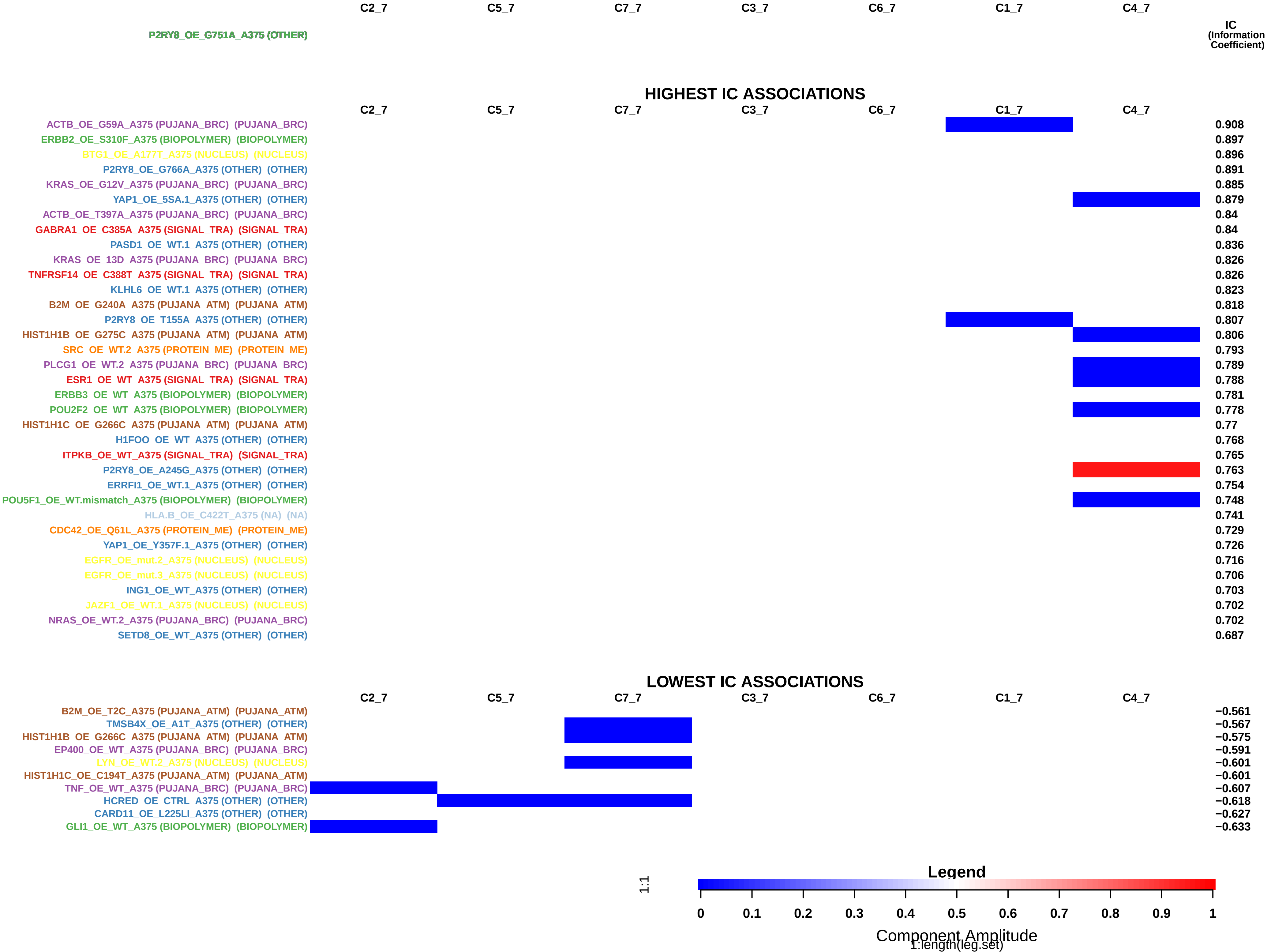
HIST1H2AL_OE_G225C_A375 (PUJANA_ATM)

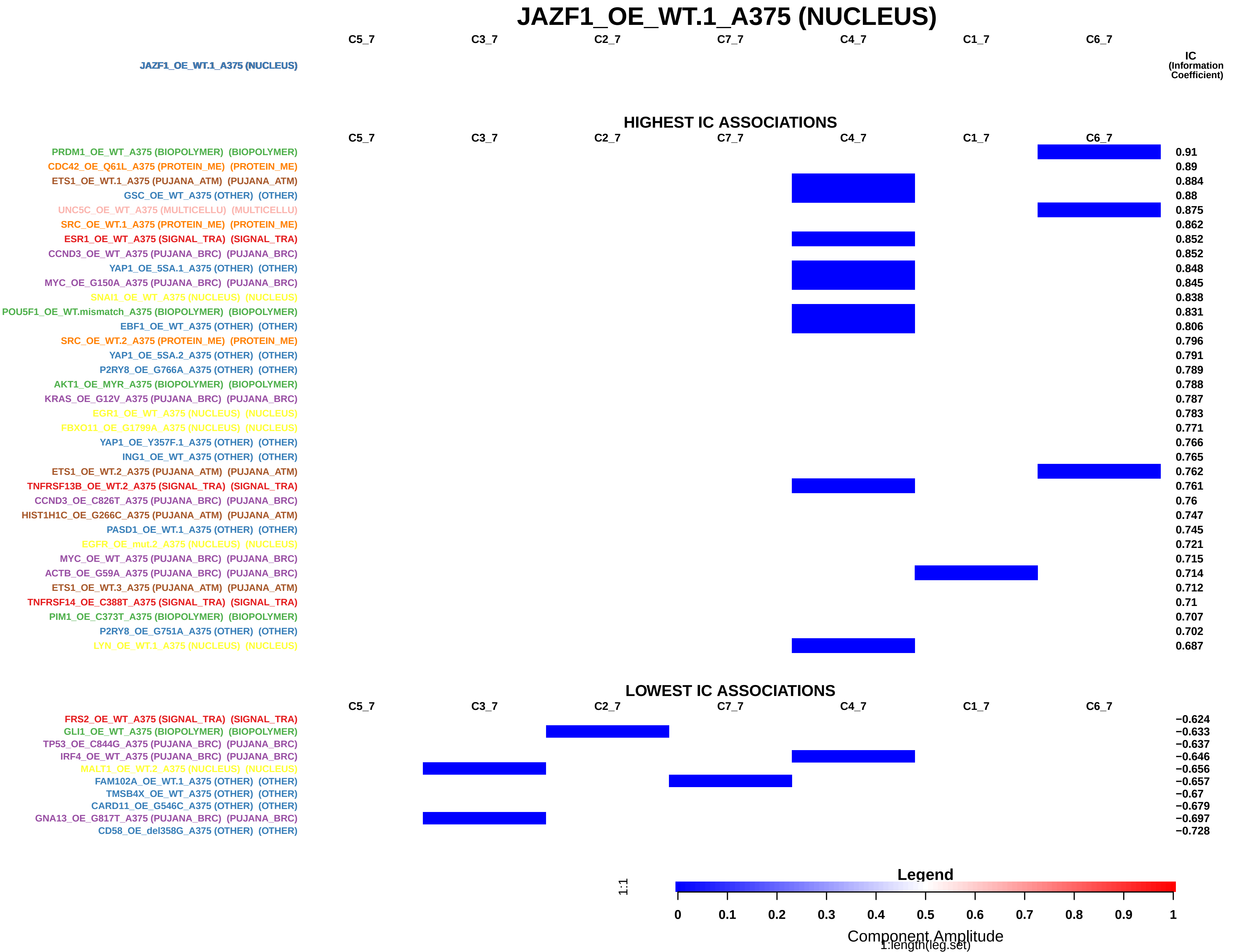


BRD4_OE_WT_A375 (OTHER)

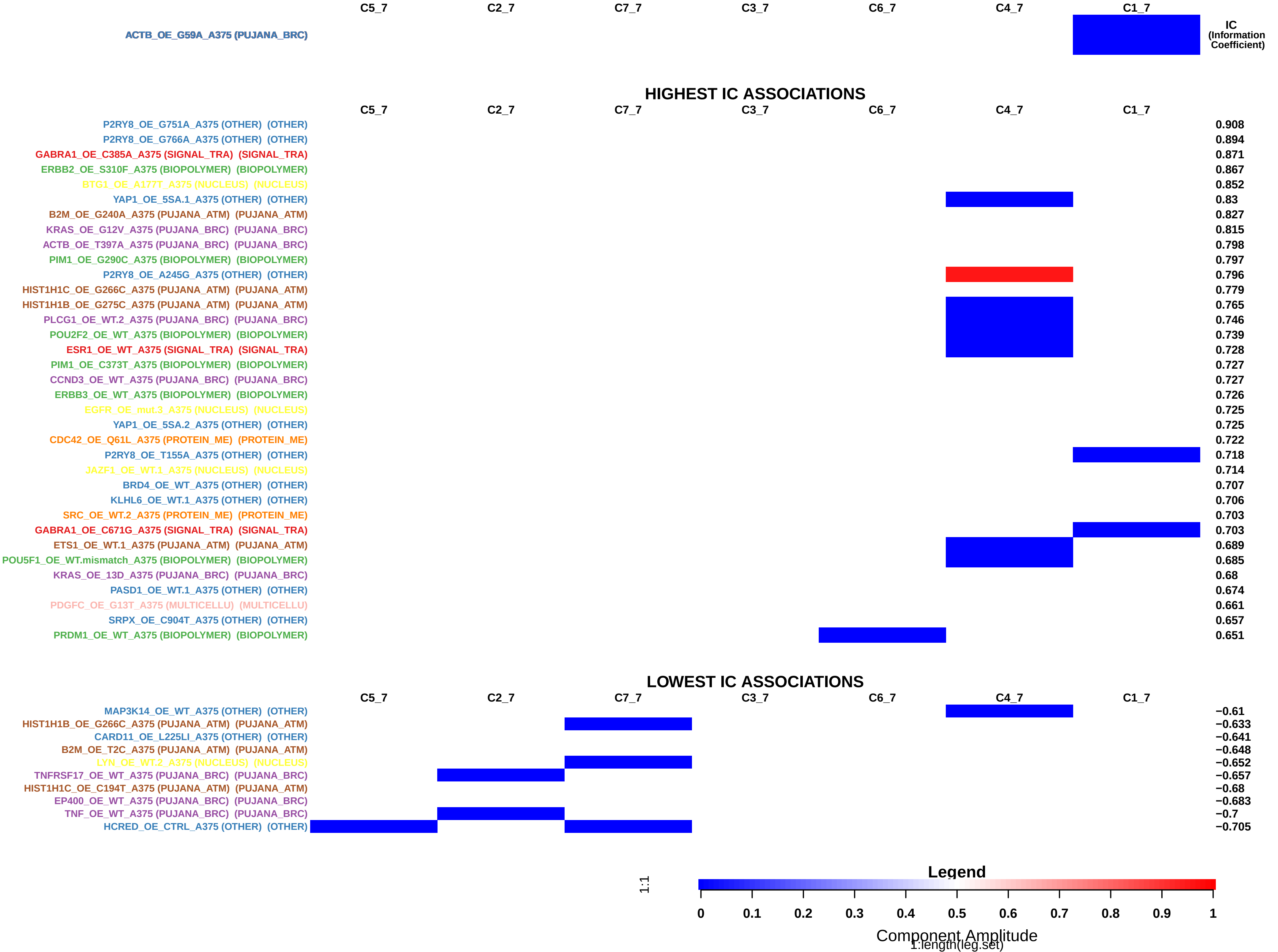


P2RY8_OE_G751A_A375 (OTHER)




JAZF1_OE_WT.1_A375 (NUCLEUS)
C5_7
C3_7
C2_7
C7_7
C4_7
C1_7
C6_7
JAZF1_OE_WT.1_A375 (NUCLEUS)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
C5_7
C3_7
C2_7
C7_7
C4_7
C1_7
C6_7
PRDM1_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.91
CDC42_OE_Q61L_A375 (PROTEIN_ME) (PROTEIN_ME) 0.89
ETS1_OE_WT.1_A375 (PUJANA_ATM) (PUJANA_ATM) 0.884
GSC_OE_WT_A375 (OTHER) (OTHER) 0.88
UNC5C_OE_WT_A375 (MULTICELLU) (MULTICELLU) 0.875
SRC_OE_WT.1_A375 (PROTEIN_ME) (PROTEIN_ME) 0.862
ESR1_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.852
CCND3_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.852
YAP1_OE_5SA.1_A375 (OTHER) (OTHER) 0.848
MYC_OE_G150A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.845
SNAI1_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.838
POU5F1_OE_WT.mismatch_A375 (BIOPOLYMER) (BIOPOLYMER) 0.831
EBF1_OE_WT_A375 (OTHER) (OTHER) 0.806
SRC_OE_WT.2_A375 (PROTEIN_ME) (PROTEIN_ME) 0.796
YAP1_OE_5SA.2_A375 (OTHER) (OTHER) 0.791
P2RY8_OE_G766A_A375 (OTHER) (OTHER) 0.789
AKT1_OE_MYR_A375 (BIOPOLYMER) (BIOPOLYMER) 0.788
KRAS_OE_G12V_A375 (PUJANA_BRC) (PUJANA_BRC) 0.787
EGR1_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.783
FBXO11_OE_G1799A_A375 (NUCLEUS) (NUCLEUS) 0.771
YAP1_OE_Y357F.1_A375 (OTHER) (OTHER) 0.766
ING1_OE_WT_A375 (OTHER) (OTHER) 0.765
ETS1_OE_WT.2_A375 (PUJANA_ATM) (PUJANA_ATM) 0.762
TNFRSF13B_OE_WT.2_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.761
CCND3_OE_C826T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.76
HIST1H1C_OE_G266C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.747
PASD1_OE_WT.1_A375 (OTHER) (OTHER) 0.745
EGFR_OE_mut.2_A375 (NUCLEUS) (NUCLEUS) 0.721
MYC_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.715
ACTB_OE_G59A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.714
ETS1_OE_WT.3_A375 (PUJANA_ATM) (PUJANA_ATM) 0.712
TNFRSF14_OE_C388T_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.71
PIM1_OE_C373T_A375 (BIOPOLYMER) (BIOPOLYMER) 0.707
P2RY8_OE_G751A_A375 (OTHER) (OTHER) 0.702
LYN_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.687
LOWEST IC ASSOCIATIONS
C5_7
C3_7
C2_7
C7_7
C4_7
C1_7
C6_7
FRS2_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.624
GLI1_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) −0.633
TP53_OE_C844G_A375 (PUJANA_BRC) (PUJANA_BRC) −0.637
IRF4_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) −0.646
MALT1_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) −0.656
FAM102A_OE_WT.1_A375 (OTHER) (OTHER) −0.657
TMSB4X_OE_WT_A375 (OTHER) (OTHER) −0.67
CARD11_OE_G546C_A375 (OTHER) (OTHER) −0.679
GNA13_OE_G817T_A375 (PUJANA_BRC) (PUJANA_BRC) −0.697
CD58_OE_del358G_A375 (OTHER) (OTHER) −0.728
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

ACTB_OE_G59A_A375 (PUJANA_BRC)



	C5_7	C2_7	C7_7	C3_7	C6_7	C4_7	C1_7	IC (Information Coefficient)
ACTB_OE_G59A_A375 (PUJANA_BRC)							🟦	

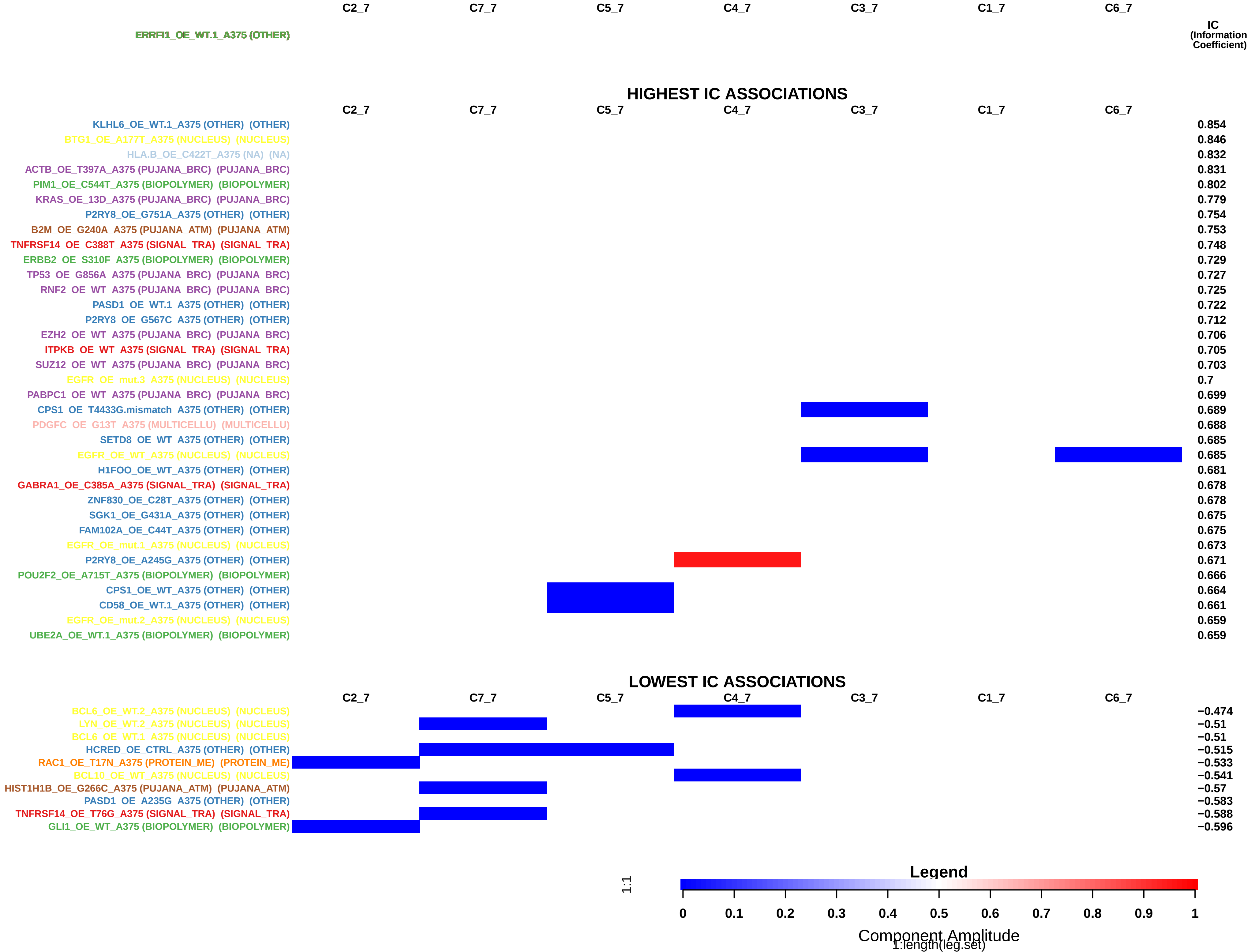
HIGHEST IC ASSOCIATIONS

	C5_7	C2_7	C7_7	C3_7	C6_7	C4_7	C1_7	
P2RY8_OE_G751A_A375 (OTHER) (OTHER)								0.908
P2RY8_OE_G766A_A375 (OTHER) (OTHER)								0.894
GABRA1_OE_C385A_A375 (SIGNAL_TRA) (SIGNAL_TRA)								0.871
ERBB2_OE_S310F_A375 (BIOPOLYMER) (BIOPOLYMER)								0.867
BTG1_OE_A177T_A375 (NUCLEUS) (NUCLEUS)								0.852
YAP1_OE_5SA.1_A375 (OTHER) (OTHER)						🟦		0.83
B2M_OE_G240A_A375 (PUJANA_ATM) (PUJANA_ATM)								0.827
KRAS_OE_G12V_A375 (PUJANA_BRC) (PUJANA_BRC)								0.815
ACTB_OE_T397A_A375 (PUJANA_BRC) (PUJANA_BRC)								0.798
PIM1_OE_G290C_A375 (BIOPOLYMER) (BIOPOLYMER)								0.797
P2RY8_OE_A245G_A375 (OTHER) (OTHER)						🟥		0.796
HIST1H1C_OE_G266C_A375 (PUJANA_ATM) (PUJANA_ATM)								0.779
HIST1H1B_OE_G275C_A375 (PUJANA_ATM) (PUJANA_ATM)						🟦		0.765
PLCG1_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC)						🟦		0.746
POU2F2_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER)						🟦		0.739
ESR1_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA)						🟦		0.728
PIM1_OE_C373T_A375 (BIOPOLYMER) (BIOPOLYMER)								0.727
CCND3_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC)								0.727
ERBB3_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER)								0.726
EGFR_OE_mut.3_A375 (NUCLEUS) (NUCLEUS)								0.725
YAP1_OE_5SA.2_A375 (OTHER) (OTHER)								0.725
CDC42_OE_Q61L_A375 (PROTEIN_ME) (PROTEIN_ME)								0.722
P2RY8_OE_T155A_A375 (OTHER) (OTHER)							🟦	0.718
JAZF1_OE_WT.1_A375 (NUCLEUS) (NUCLEUS)								0.714
BRD4_OE_WT_A375 (OTHER) (OTHER)								0.707
KLHL6_OE_WT.1_A375 (OTHER) (OTHER)								0.706
SRC_OE_WT.2_A375 (PROTEIN_ME) (PROTEIN_ME)								0.703
GABRA1_OE_C671G_A375 (SIGNAL_TRA) (SIGNAL_TRA)							🟦	0.703
ETS1_OE_WT.1_A375 (PUJANA_ATM) (PUJANA_ATM)						🟦		0.689
POU5F1_OE_WT.mismatch_A375 (BIOPOLYMER) (BIOPOLYMER)						🟦		0.685
KRAS_OE_13D_A375 (PUJANA_BRC) (PUJANA_BRC)								0.68
PASD1_OE_WT.1_A375 (OTHER) (OTHER)								0.674
PDGFC_OE_G13T_A375 (MULTICELLU) (MULTICELLU)								0.661
SRPX_OE_C904T_A375 (OTHER) (OTHER)								0.657
PRDM1_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER)					🟦			0.651

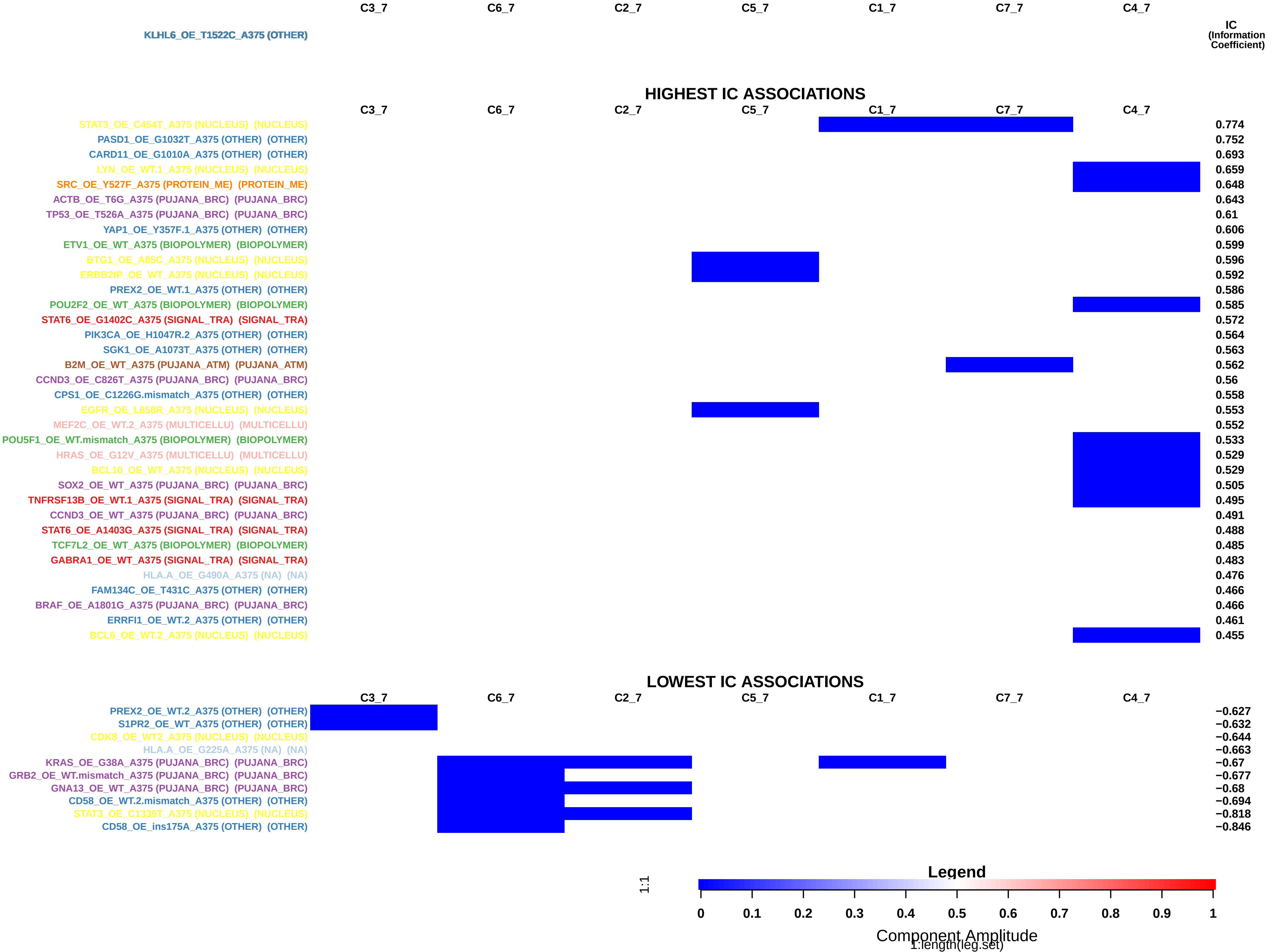
LOWEST IC ASSOCIATIONS

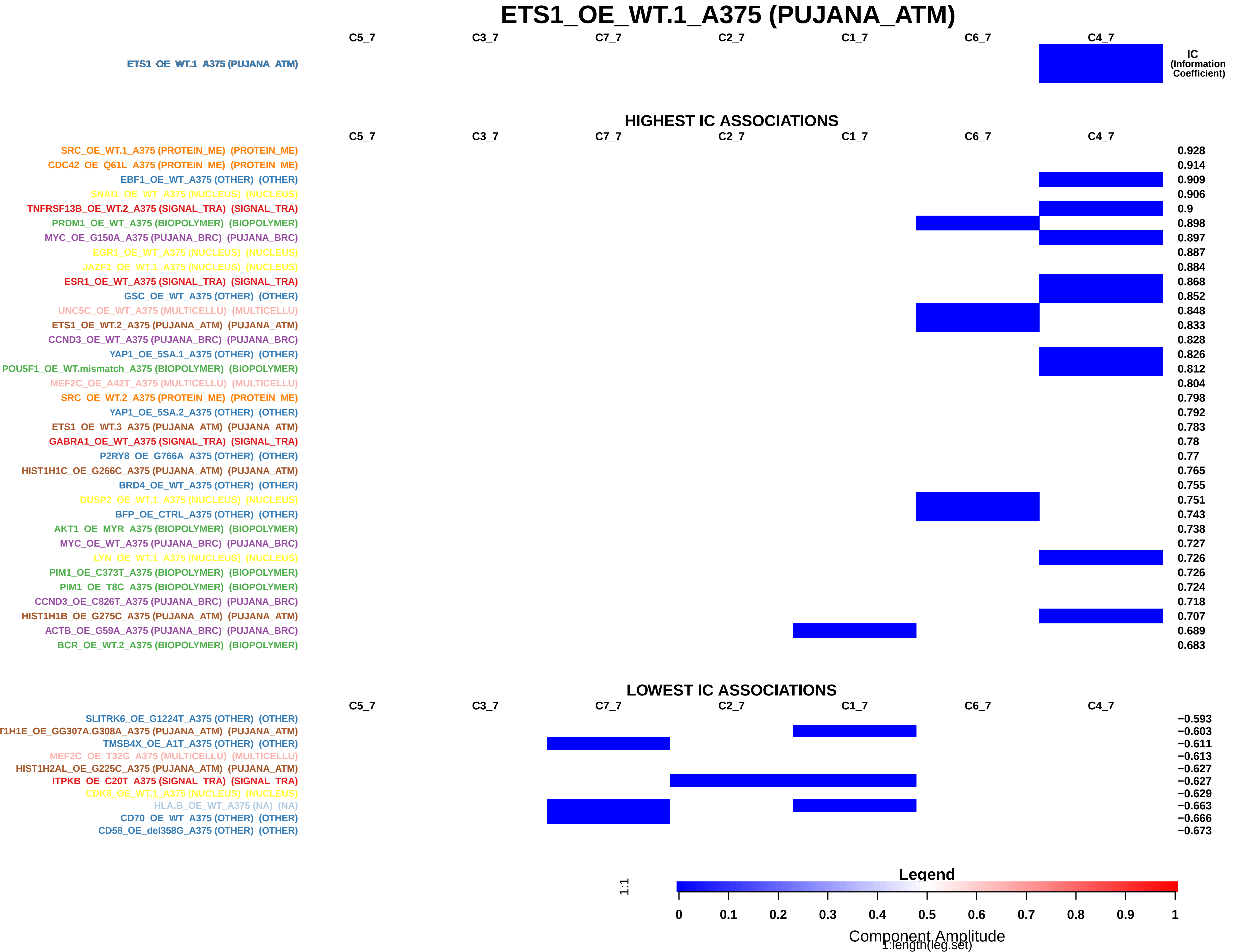
	C5_7	C2_7	C7_7	C3_7	C6_7	C4_7	C1_7	
MAP3K14_OE_WT_A375 (OTHER) (OTHER)						🟦		−0.61
HIST1H1B_OE_G266C_A375 (PUJANA_ATM) (PUJANA_ATM)			🟦					−0.633
CARD11_OE_L225LI_A375 (OTHER) (OTHER)								−0.641
B2M_OE_T2C_A375 (PUJANA_ATM) (PUJANA_ATM)								−0.648
LYN_OE_WT.2_A375 (NUCLEUS) (NUCLEUS)			🟦					−0.652
TNFRSF17_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC)		🟦						−0.657
HIST1H1C_OE_C194T_A375 (PUJANA_ATM) (PUJANA_ATM)								−0.68
EP400_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC)								−0.683
TNF_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC)		🟦						−0.7
HCRED_OE_CTRL_A375 (OTHER) (OTHER)	🟦		🟦					−0.705

ERRFI1_OE_WT.1_A375 (OTHER)

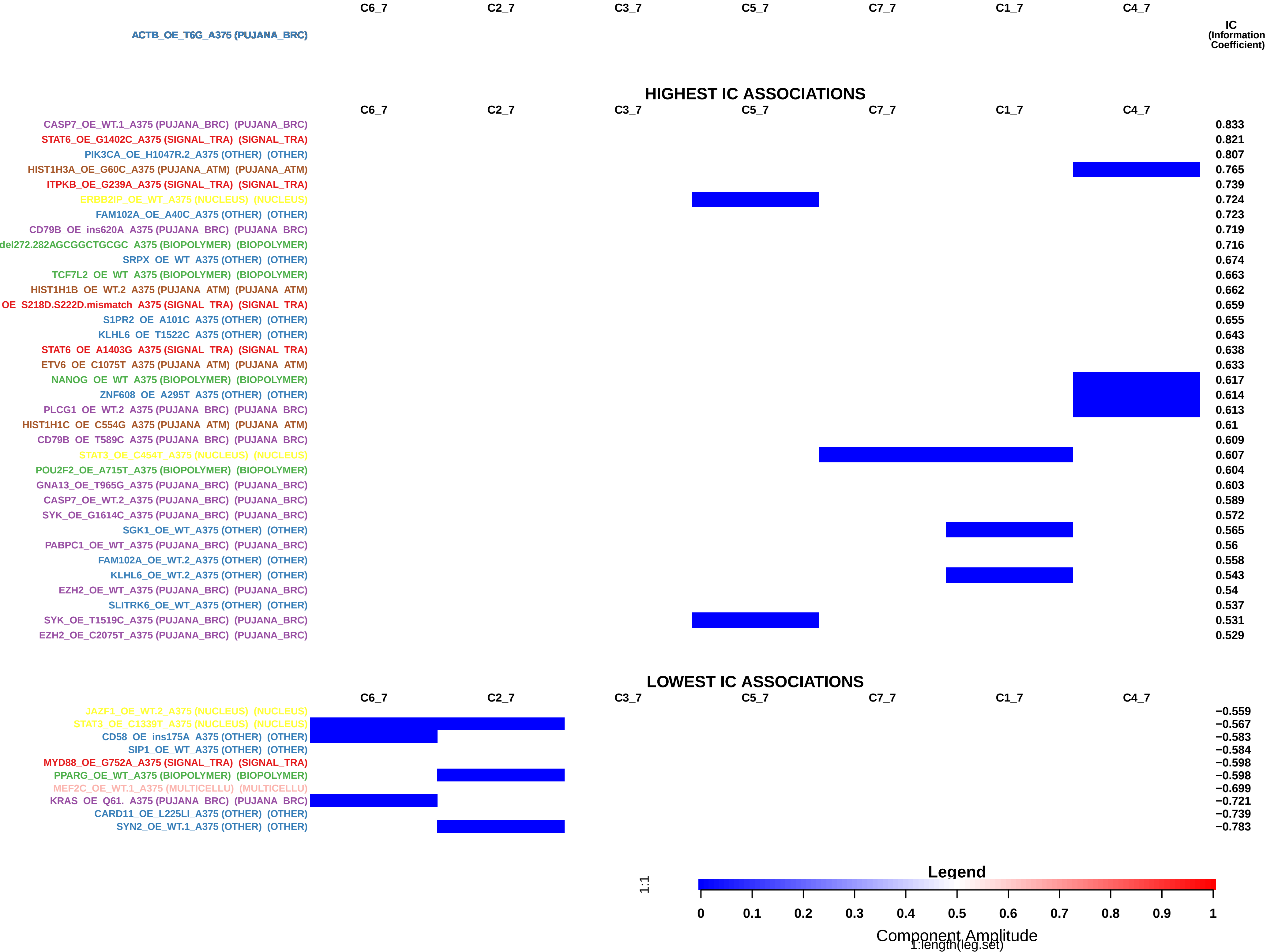


KLHL6_OE_T1522C_A375 (OTHER)

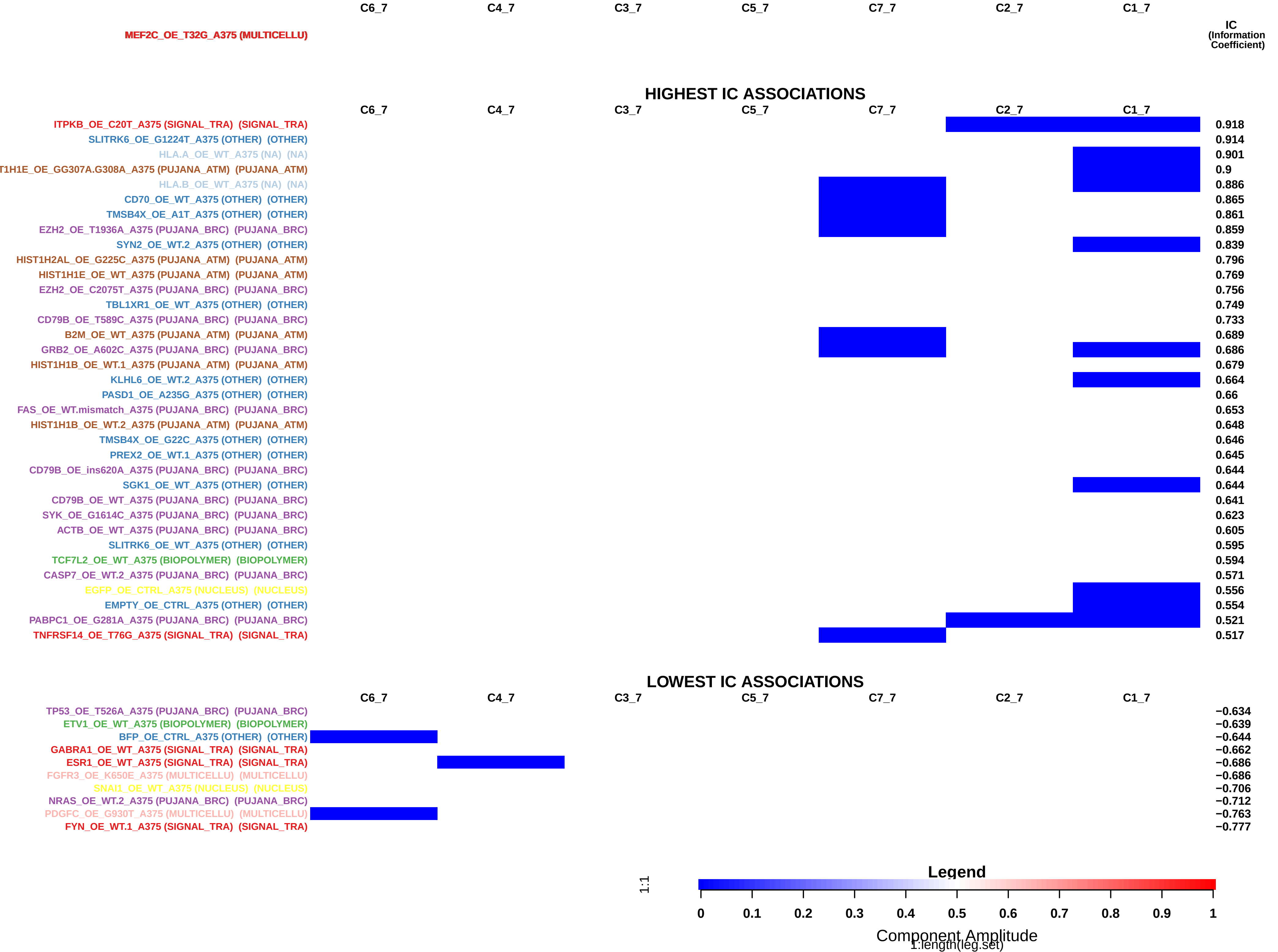


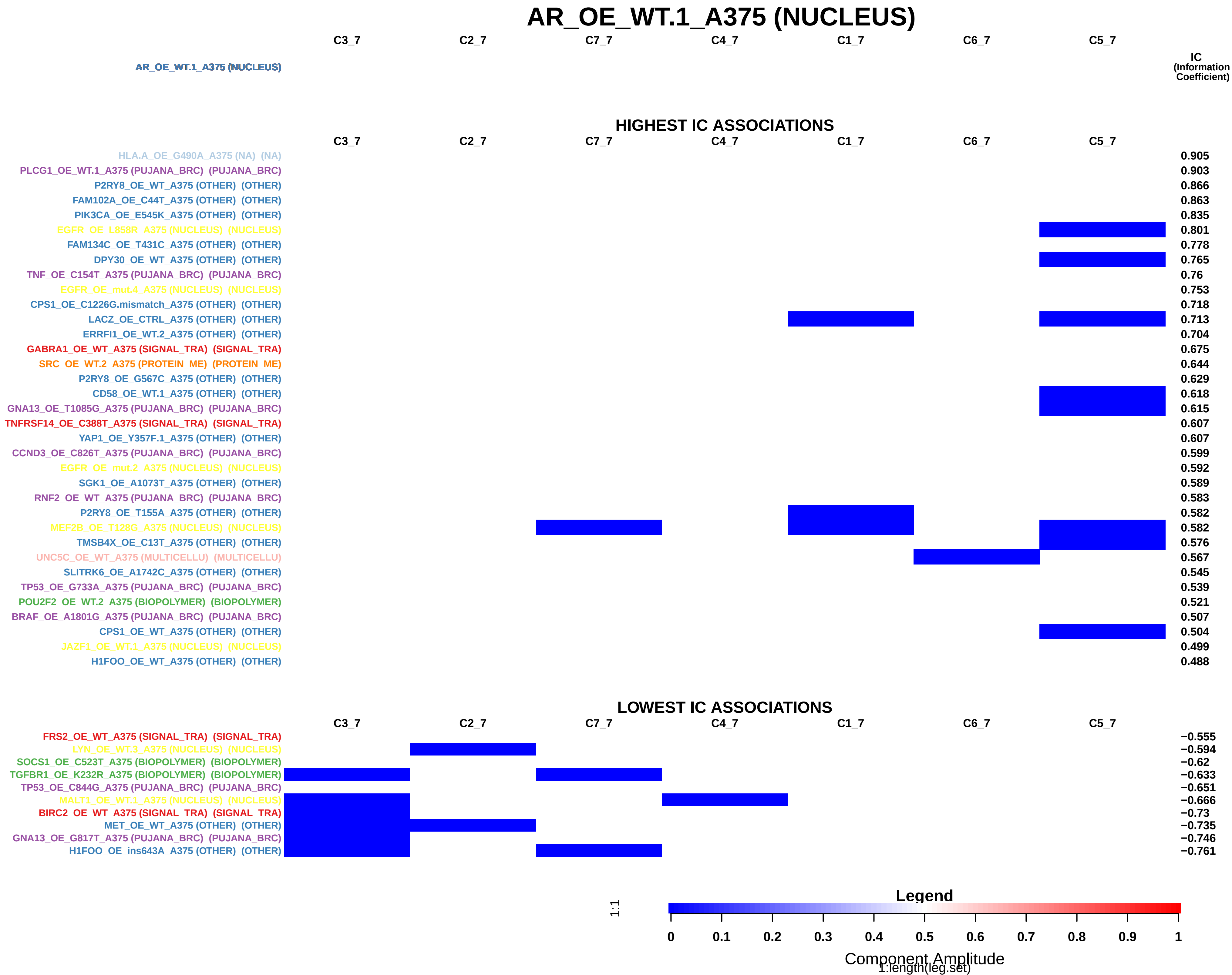

ETS1_OE_WT.1_A375 (PUJANA_ATM)
C5_7
C3_7
C7_7
C2_7
C1_7
C6_7
C4_7
ETS1_OE_WT.1_A375 (PUJANA_ATM)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
C5_7
C3_7
C7_7
C2_7
C1_7
C6_7
C4_7
SRC_OE_WT.1_A375 (PROTEIN_ME) (PROTEIN_ME) 0.928
CDC42_OE_Q61L_A375 (PROTEIN_ME) (PROTEIN_ME) 0.914
EBF1_OE_WT_A375 (OTHER) (OTHER) 0.909
SNAI1_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.906
TNFRSF13B_OE_WT.2_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.9
PRDM1_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.898
MYC_OE_G150A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.897
EGR1_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.887
JAZF1_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.884
ESR1_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.868
GSC_OE_WT_A375 (OTHER) (OTHER) 0.852
UNC5C_OE_WT_A375 (MULTICELLU) (MULTICELLU) 0.848
ETS1_OE_WT.2_A375 (PUJANA_ATM) (PUJANA_ATM) 0.833
CCND3_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.828
YAP1_OE_5SA.1_A375 (OTHER) (OTHER) 0.826
POU5F1_OE_WT.mismatch_A375 (BIOPOLYMER) (BIOPOLYMER) 0.812
MEF2C_OE_A42T_A375 (MULTICELLU) (MULTICELLU) 0.804
SRC_OE_WT.2_A375 (PROTEIN_ME) (PROTEIN_ME) 0.798
YAP1_OE_5SA.2_A375 (OTHER) (OTHER) 0.792
ETS1_OE_WT.3_A375 (PUJANA_ATM) (PUJANA_ATM) 0.783
GABRA1_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.78
P2RY8_OE_G766A_A375 (OTHER) (OTHER) 0.77
HIST1H1C_OE_G266C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.765
BRD4_OE_WT_A375 (OTHER) (OTHER) 0.755
DUSP2_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.751
BFP_OE_CTRL_A375 (OTHER) (OTHER) 0.743
AKT1_OE_MYR_A375 (BIOPOLYMER) (BIOPOLYMER) 0.738
MYC_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.727
LYN_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.726
PIM1_OE_C373T_A375 (BIOPOLYMER) (BIOPOLYMER) 0.726
PIM1_OE_T8C_A375 (BIOPOLYMER) (BIOPOLYMER) 0.724
CCND3_OE_C826T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.718
HIST1H1B_OE_G275C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.707
ACTB_OE_G59A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.689
BCR_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.683
LOWEST IC ASSOCIATIONS
C5_7
C3_7
C7_7
C2_7
C1_7
C6_7
C4_7
SLITRK6_OE_G1224T_A375 (OTHER) (OTHER) −0.593
T1H1E_OE_GG307A.G308A_A375 (PUJANA_ATM) (PUJANA_ATM) −0.603
TMSB4X_OE_A1T_A375 (OTHER) (OTHER) −0.611
MEF2C_OE_T32G_A375 (MULTICELLU) (MULTICELLU) −0.613
HIST1H2AL_OE_G225C_A375 (PUJANA_ATM) (PUJANA_ATM) −0.627
ITPKB_OE_C20T_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.627
CDK8_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) −0.629
HLA.B_OE_WT_A375 (NA) (NA) −0.663
CD70_OE_WT_A375 (OTHER) (OTHER) −0.666
CD58_OE_del358G_A375 (OTHER) (OTHER) −0.673
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

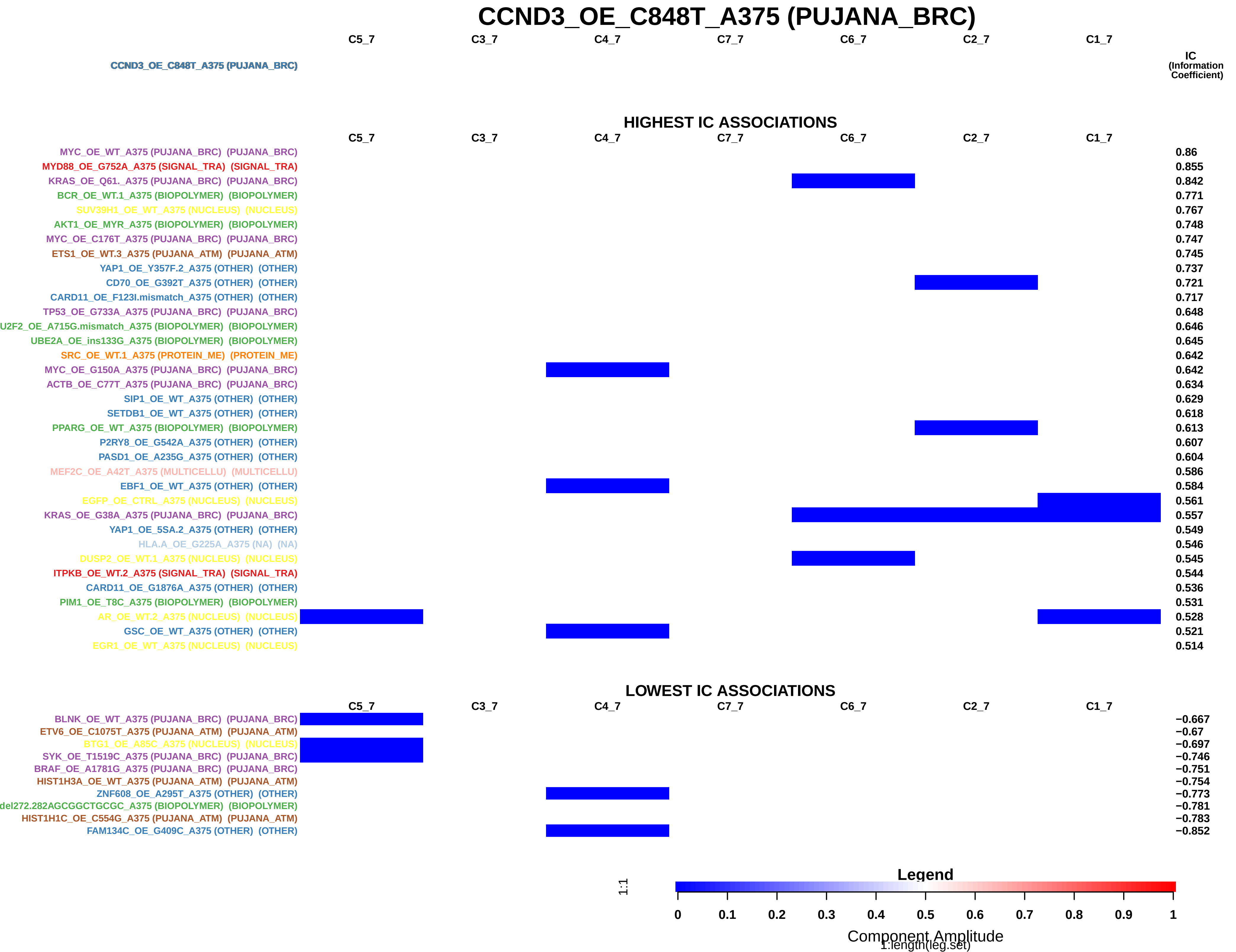
ACTB_OE_T6G_A375 (PUJANA_BRC)



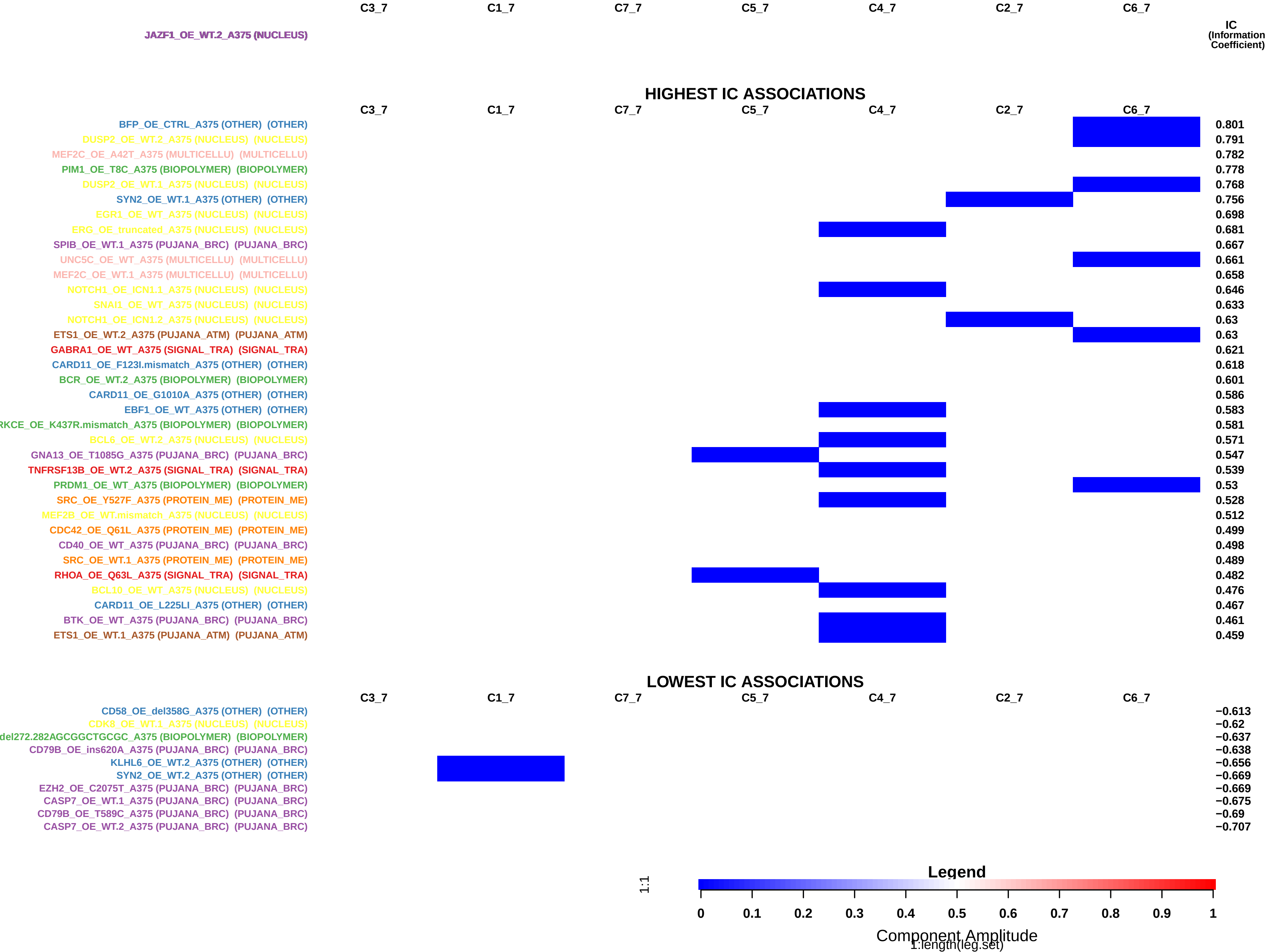
MEF2C_OE_T32G_A375 (MULTICELLU)



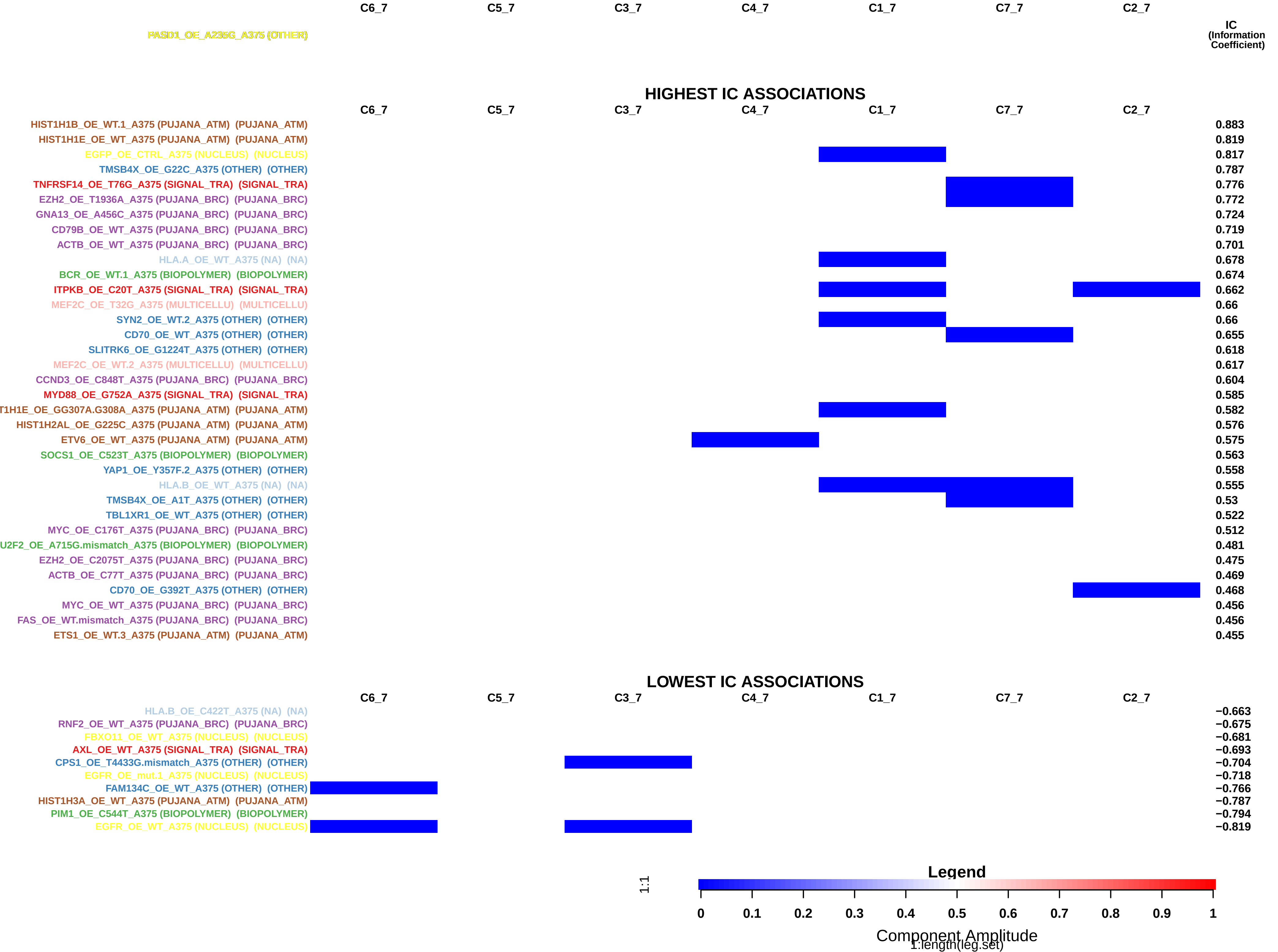

AR_OE_WT.1_A375 (NUCLEUS)
C3_7
C2_7
C7_7
C4_7
C1_7
C6_7
C5_7
AR_OE_WT.1_A375 (NUCLEUS)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
C3_7
C2_7
C7_7
C4_7
C1_7
C6_7
C5_7
HLA.A_OE_G490A_A375 (NA) (NA) 0.905
PLCG1_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) 0.903
P2RY8_OE_WT_A375 (OTHER) (OTHER) 0.866
FAM102A_OE_C44T_A375 (OTHER) (OTHER) 0.863
PIK3CA_OE_E545K_A375 (OTHER) (OTHER) 0.835
EGFR_OE_L858R_A375 (NUCLEUS) (NUCLEUS) 0.801
FAM134C_OE_T431C_A375 (OTHER) (OTHER) 0.778
DPY30_OE_WT_A375 (OTHER) (OTHER) 0.765
TNF_OE_C154T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.76
EGFR_OE_mut.4_A375 (NUCLEUS) (NUCLEUS) 0.753
CPS1_OE_C1226G.mismatch_A375 (OTHER) (OTHER) 0.718
LACZ_OE_CTRL_A375 (OTHER) (OTHER) 0.713
ERRFI1_OE_WT.2_A375 (OTHER) (OTHER) 0.704
GABRA1_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.675
SRC_OE_WT.2_A375 (PROTEIN_ME) (PROTEIN_ME) 0.644
P2RY8_OE_G567C_A375 (OTHER) (OTHER) 0.629
CD58_OE_WT.1_A375 (OTHER) (OTHER) 0.618
GNA13_OE_T1085G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.615
TNFRSF14_OE_C388T_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.607
YAP1_OE_Y357F.1_A375 (OTHER) (OTHER) 0.607
CCND3_OE_C826T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.599
EGFR_OE_mut.2_A375 (NUCLEUS) (NUCLEUS) 0.592
SGK1_OE_A1073T_A375 (OTHER) (OTHER) 0.589
RNF2_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.583
P2RY8_OE_T155A_A375 (OTHER) (OTHER) 0.582
MEF2B_OE_T128G_A375 (NUCLEUS) (NUCLEUS) 0.582
TMSB4X_OE_C13T_A375 (OTHER) (OTHER) 0.576
UNC5C_OE_WT_A375 (MULTICELLU) (MULTICELLU) 0.567
SLITRK6_OE_A1742C_A375 (OTHER) (OTHER) 0.545
TP53_OE_G733A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.539
POU2F2_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.521
BRAF_OE_A1801G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.507
CPS1_OE_WT_A375 (OTHER) (OTHER) 0.504
JAZF1_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.499
H1FOO_OE_WT_A375 (OTHER) (OTHER) 0.488
LOWEST IC ASSOCIATIONS
C3_7
C2_7
C7_7
C4_7
C1_7
C6_7
C5_7
FRS2_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.555
LYN_OE_WT.3_A375 (NUCLEUS) (NUCLEUS) −0.594
SOCS1_OE_C523T_A375 (BIOPOLYMER) (BIOPOLYMER) −0.62
TGFBR1_OE_K232R_A375 (BIOPOLYMER) (BIOPOLYMER) −0.633
TP53_OE_C844G_A375 (PUJANA_BRC) (PUJANA_BRC) −0.651
MALT1_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) −0.666
BIRC2_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.73
MET_OE_WT_A375 (OTHER) (OTHER) −0.735
GNA13_OE_G817T_A375 (PUJANA_BRC) (PUJANA_BRC) −0.746
H1FOO_OE_ins643A_A375 (OTHER) (OTHER) −0.761
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

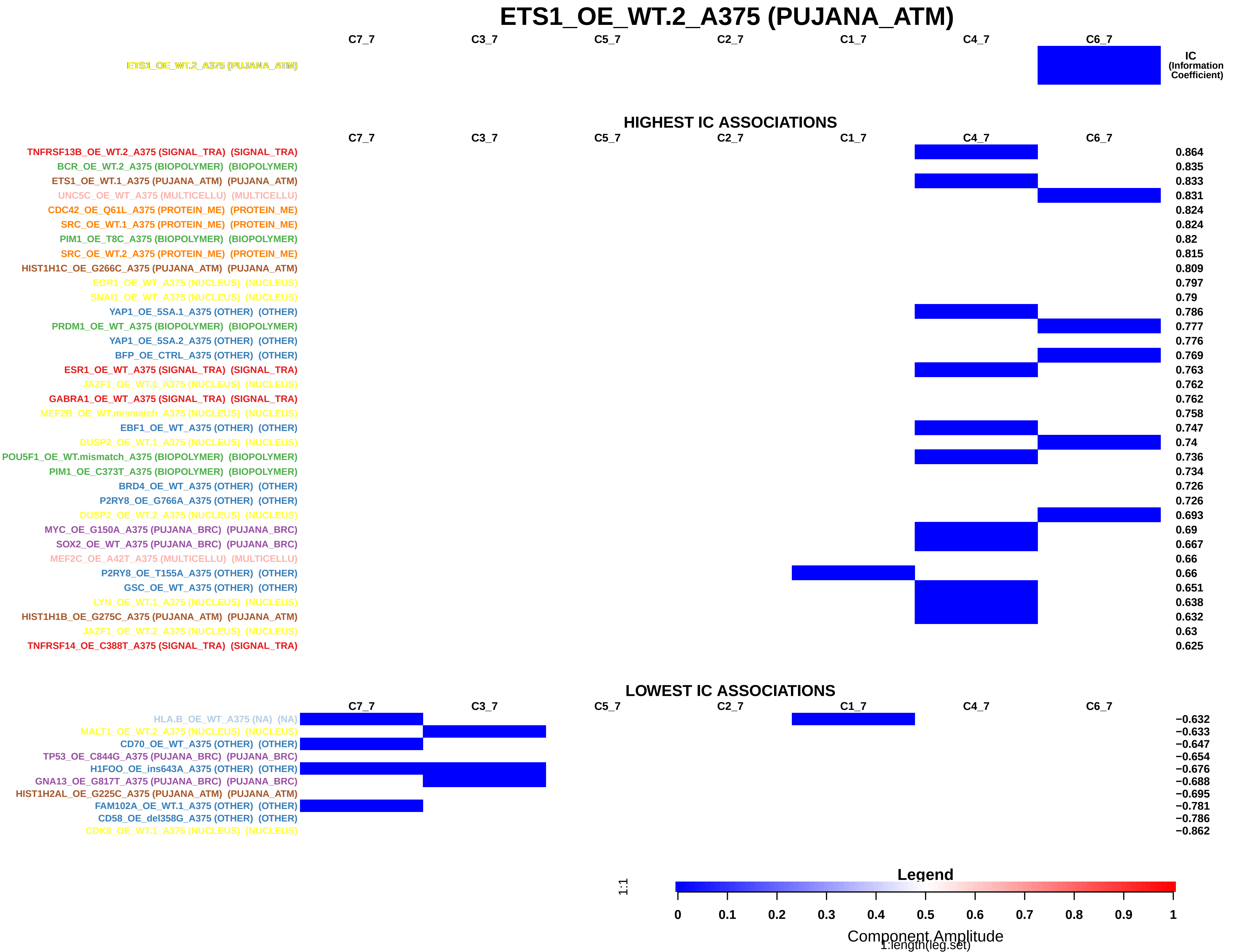

CCND3_OE_C848T_A375 (PUJANA_BRC)
C5_7
C3_7
C4_7
C7_7
C6_7
C2_7
C1_7
IC
(Information
Coefficient)
CCND3_OE_C848T_A375 (PUJANA_BRC)
HIGHEST IC ASSOCIATIONS
C5_7
C3_7
C4_7
C7_7
C6_7
C2_7
C1_7
MYC_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.86
MYD88_OE_G752A_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.855
KRAS_OE_Q61._A375 (PUJANA_BRC) (PUJANA_BRC) 0.842
BCR_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) 0.771
SUV39H1_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.767
AKT1_OE_MYR_A375 (BIOPOLYMER) (BIOPOLYMER) 0.748
MYC_OE_C176T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.747
ETS1_OE_WT.3_A375 (PUJANA_ATM) (PUJANA_ATM) 0.745
YAP1_OE_Y357F.2_A375 (OTHER) (OTHER) 0.737
CD70_OE_G392T_A375 (OTHER) (OTHER) 0.721
CARD11_OE_F123I.mismatch_A375 (OTHER) (OTHER) 0.717
TP53_OE_G733A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.648
U2F2_OE_A715G.mismatch_A375 (BIOPOLYMER) (BIOPOLYMER) 0.646
UBE2A_OE_ins133G_A375 (BIOPOLYMER) (BIOPOLYMER) 0.645
SRC_OE_WT.1_A375 (PROTEIN_ME) (PROTEIN_ME) 0.642
MYC_OE_G150A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.642
ACTB_OE_C77T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.634
SIP1_OE_WT_A375 (OTHER) (OTHER) 0.629
SETDB1_OE_WT_A375 (OTHER) (OTHER) 0.618
PPARG_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.613
P2RY8_OE_G542A_A375 (OTHER) (OTHER) 0.607
PASD1_OE_A235G_A375 (OTHER) (OTHER) 0.604
MEF2C_OE_A42T_A375 (MULTICELLU) (MULTICELLU) 0.586
EBF1_OE_WT_A375 (OTHER) (OTHER) 0.584
EGFP_OE_CTRL_A375 (NUCLEUS) (NUCLEUS) 0.561
KRAS_OE_G38A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.557
YAP1_OE_5SA.2_A375 (OTHER) (OTHER) 0.549
HLA.A_OE_G225A_A375 (NA) (NA) 0.546
DUSP2_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.545
ITPKB_OE_WT.2_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.544
CARD11_OE_G1876A_A375 (OTHER) (OTHER) 0.536
PIM1_OE_T8C_A375 (BIOPOLYMER) (BIOPOLYMER) 0.531
AR_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.528
GSC_OE_WT_A375 (OTHER) (OTHER) 0.521
EGR1_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.514
LOWEST IC ASSOCIATIONS
C5_7
C3_7
C4_7
C7_7
C6_7
C2_7
C1_7
BLNK_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) −0.667
ETV6_OE_C1075T_A375 (PUJANA_ATM) (PUJANA_ATM) −0.67
BTG1_OE_A85C_A375 (NUCLEUS) (NUCLEUS) −0.697
SYK_OE_T1519C_A375 (PUJANA_BRC) (PUJANA_BRC) −0.746
BRAF_OE_A1781G_A375 (PUJANA_BRC) (PUJANA_BRC) −0.751
HIST1H3A_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) −0.754
ZNF608_OE_A295T_A375 (OTHER) (OTHER) −0.773
del272.282AGCGGCTGCGC_A375 (BIOPOLYMER) (BIOPOLYMER) −0.781
HIST1H1C_OE_C554G_A375 (PUJANA_ATM) (PUJANA_ATM) −0.783
FAM134C_OE_G409C_A375 (OTHER) (OTHER) −0.852
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)]

JAZF1_OE_WT.2_A375 (NUCLEUS)

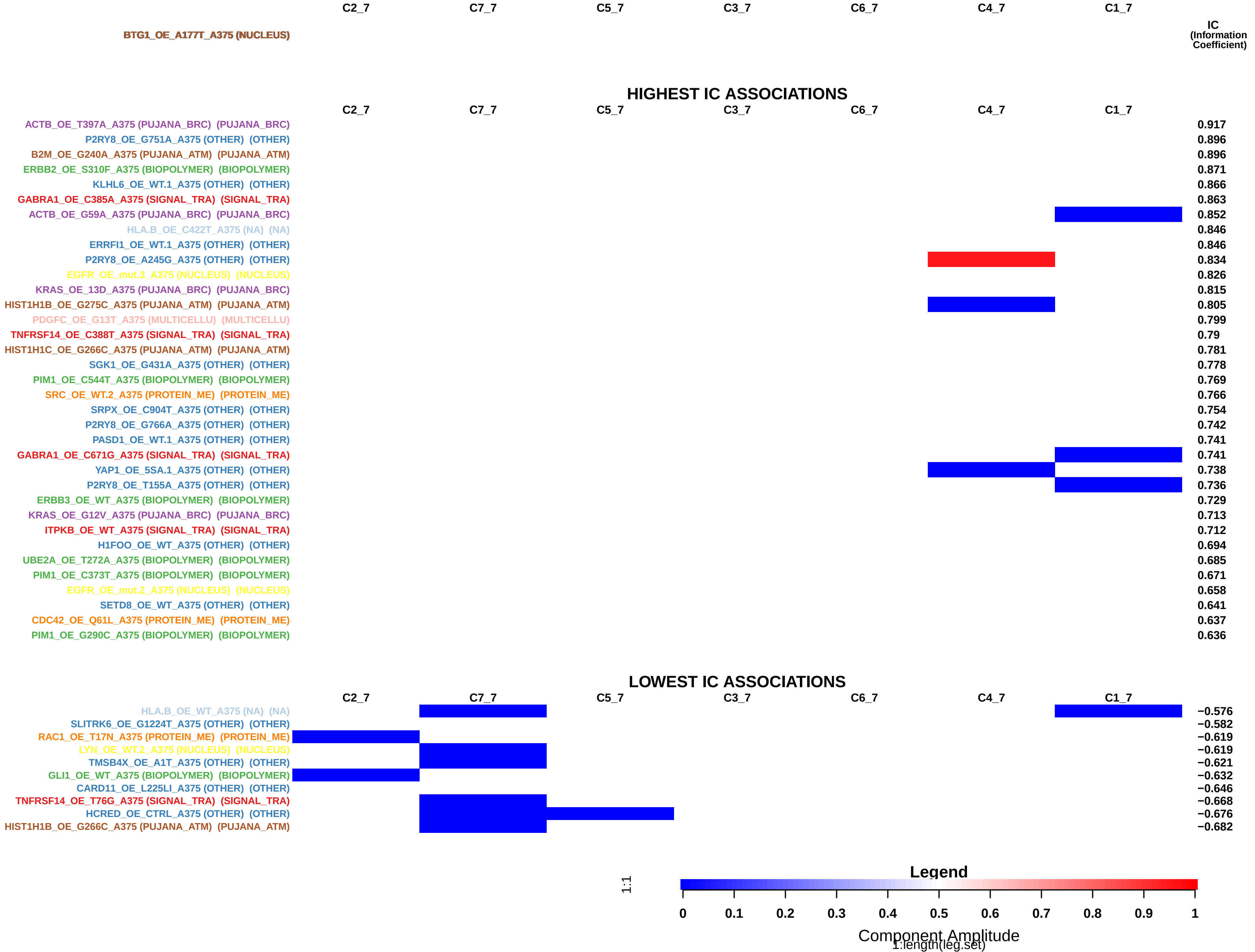


PASD1_OE_A235G_A375 (OTHER)

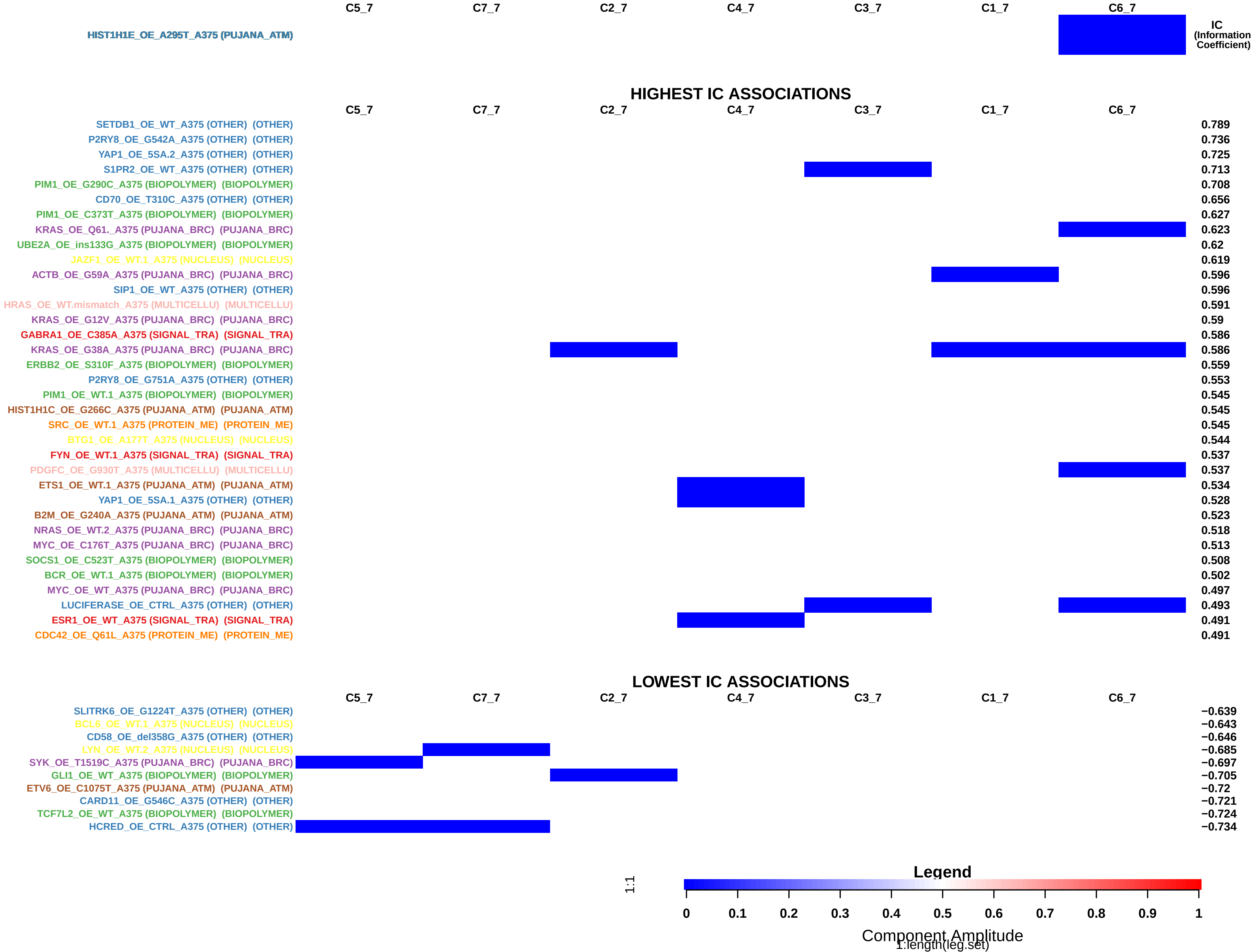



ETS1_OE_WT.2_A375 (PUJANA_ATM)
C7_7
C3_7
C5_7
C2_7
C1_7
C4_7
C6_7
ETS1_OE_WT.2_A375 (PUJANA_ATM)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
TNFRSF13B_OE_WT.2_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.864
BCR_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.835
ETS1_OE_WT.1_A375 (PUJANA_ATM) (PUJANA_ATM) 0.833
UNC5C_OE_WT_A375 (MULTICELLU) (MULTICELLU) 0.831
CDC42_OE_Q61L_A375 (PROTEIN_ME) (PROTEIN_ME) 0.824
SRC_OE_WT.1_A375 (PROTEIN_ME) (PROTEIN_ME) 0.824
PIM1_OE_T8C_A375 (BIOPOLYMER) (BIOPOLYMER) 0.82
SRC_OE_WT.2_A375 (PROTEIN_ME) (PROTEIN_ME) 0.815
HIST1H1C_OE_G266C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.809
EGR1_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.797
SNAI1_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.79
YAP1_OE_5SA.1_A375 (OTHER) (OTHER) 0.786
PRDM1_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.777
YAP1_OE_5SA.2_A375 (OTHER) (OTHER) 0.776
BFP_OE_CTRL_A375 (OTHER) (OTHER) 0.769
ESR1_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.763
JAZF1_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.762
GABRA1_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.762
MEF2B_OE_WT.mismatch_A375 (NUCLEUS) (NUCLEUS) 0.758
EBF1_OE_WT_A375 (OTHER) (OTHER) 0.747
DUSP2_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.74
POU5F1_OE_WT.mismatch_A375 (BIOPOLYMER) (BIOPOLYMER) 0.736
PIM1_OE_C373T_A375 (BIOPOLYMER) (BIOPOLYMER) 0.734
BRD4_OE_WT_A375 (OTHER) (OTHER) 0.726
P2RY8_OE_G766A_A375 (OTHER) (OTHER) 0.726
DUSP2_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.693
MYC_OE_G150A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.69
SOX2_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.667
MEF2C_OE_A42T_A375 (MULTICELLU) (MULTICELLU) 0.66
P2RY8_OE_T155A_A375 (OTHER) (OTHER) 0.66
GSC_OE_WT_A375 (OTHER) (OTHER) 0.651
LYN_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.638
HIST1H1B_OE_G275C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.632
JAZF1_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.63
TNFRSF14_OE_C388T_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.625
LOWEST IC ASSOCIATIONS
HLA.B_OE_WT_A375 (NA) (NA) −0.632
MALT1_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) −0.633
CD70_OE_WT_A375 (OTHER) (OTHER) −0.647
TP53_OE_C844G_A375 (PUJANA_BRC) (PUJANA_BRC) −0.654
H1FOO_OE_ins643A_A375 (OTHER) (OTHER) −0.676
GNA13_OE_G817T_A375 (PUJANA_BRC) (PUJANA_BRC) −0.688
HIST1H2AL_OE_G225C_A375 (PUJANA_ATM) (PUJANA_ATM) −0.695
FAM102A_OE_WT.1_A375 (OTHER) (OTHER) −0.781
CD58_OE_del358G_A375 (OTHER) (OTHER) −0.786
CDK8_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) −0.862
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

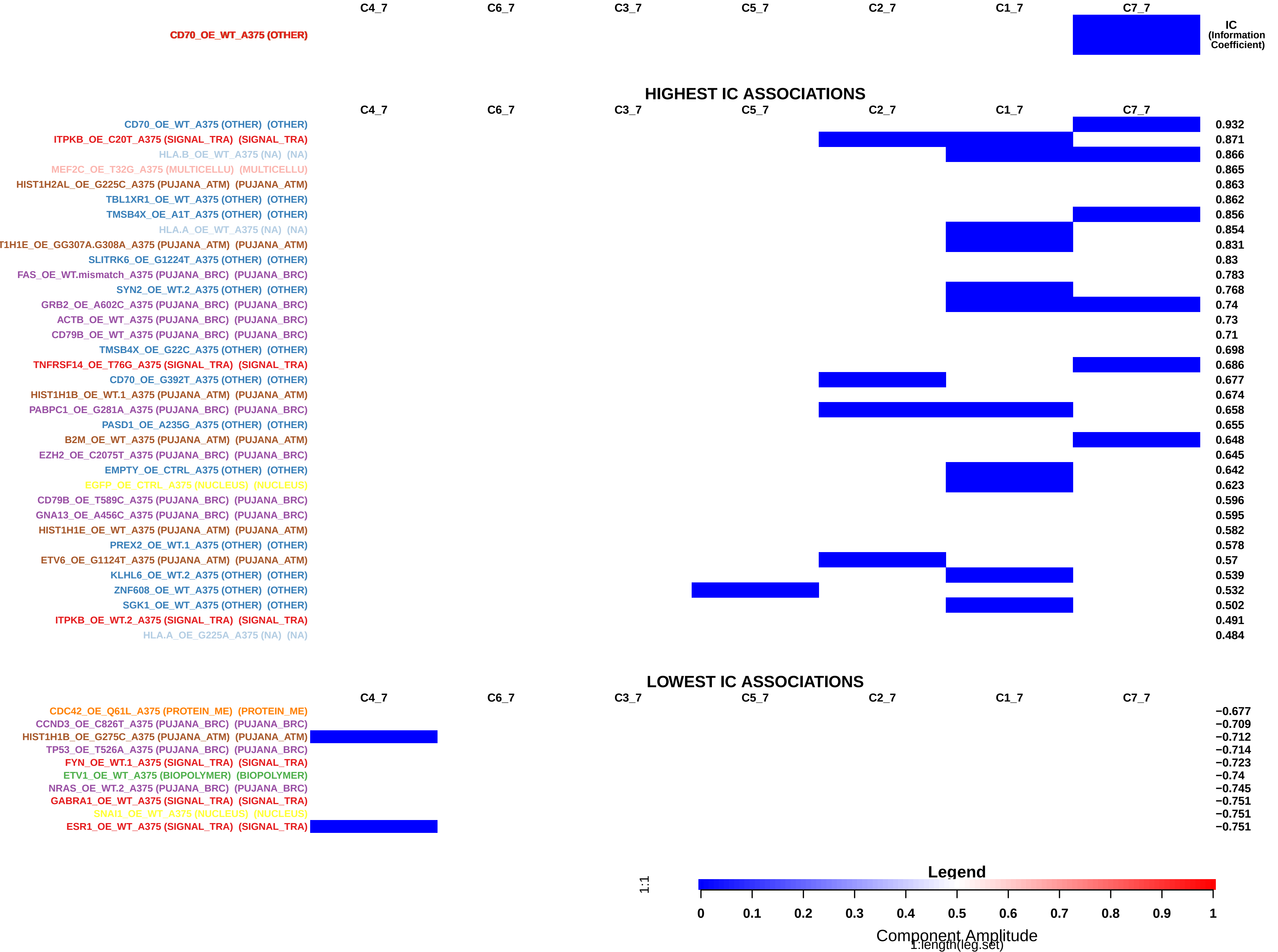
BTG1_OE_A177T_A375 (NUCLEUS)



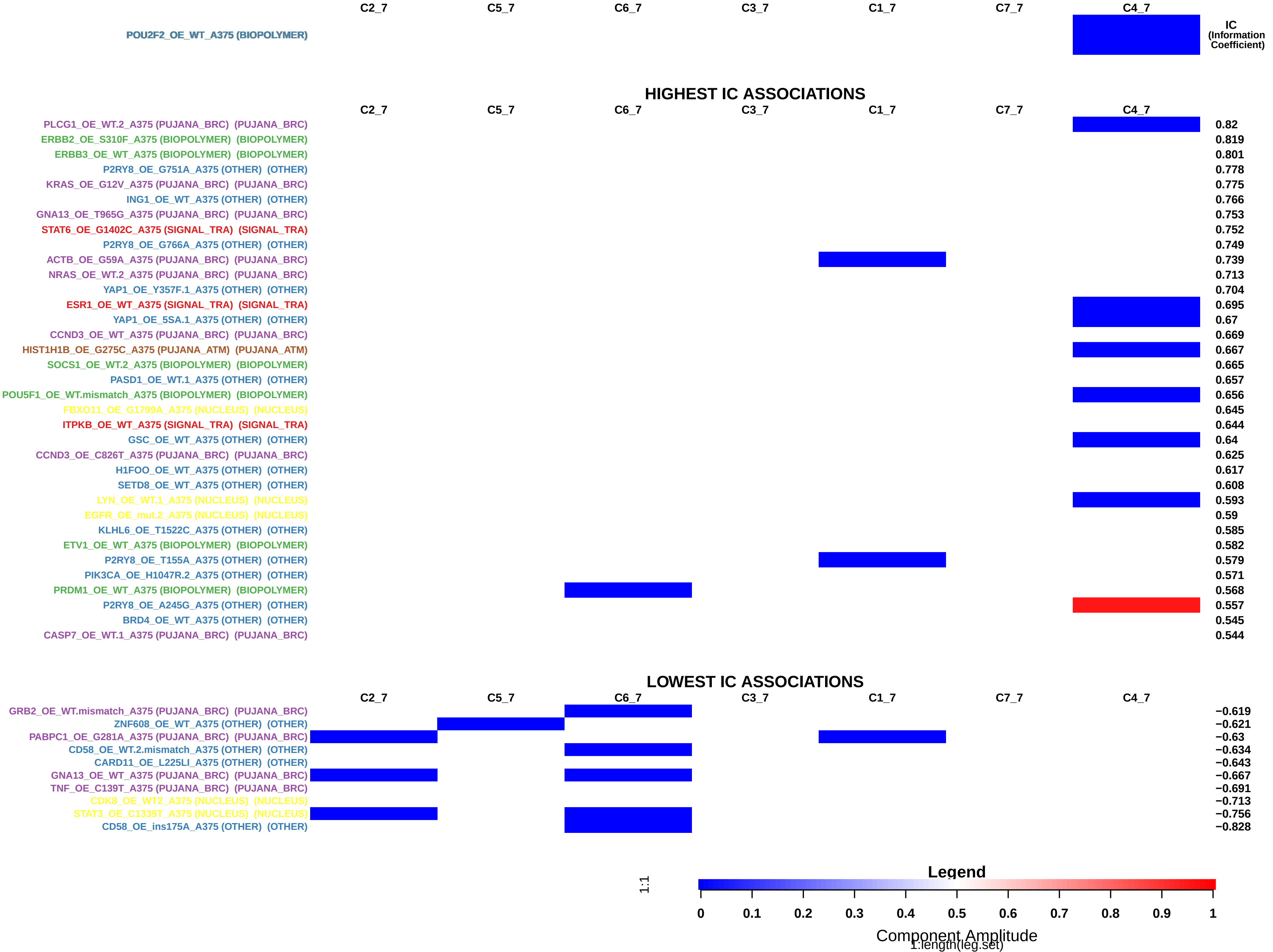
HIST1H1E_OE_A295T_A375 (PUJANA_ATM)



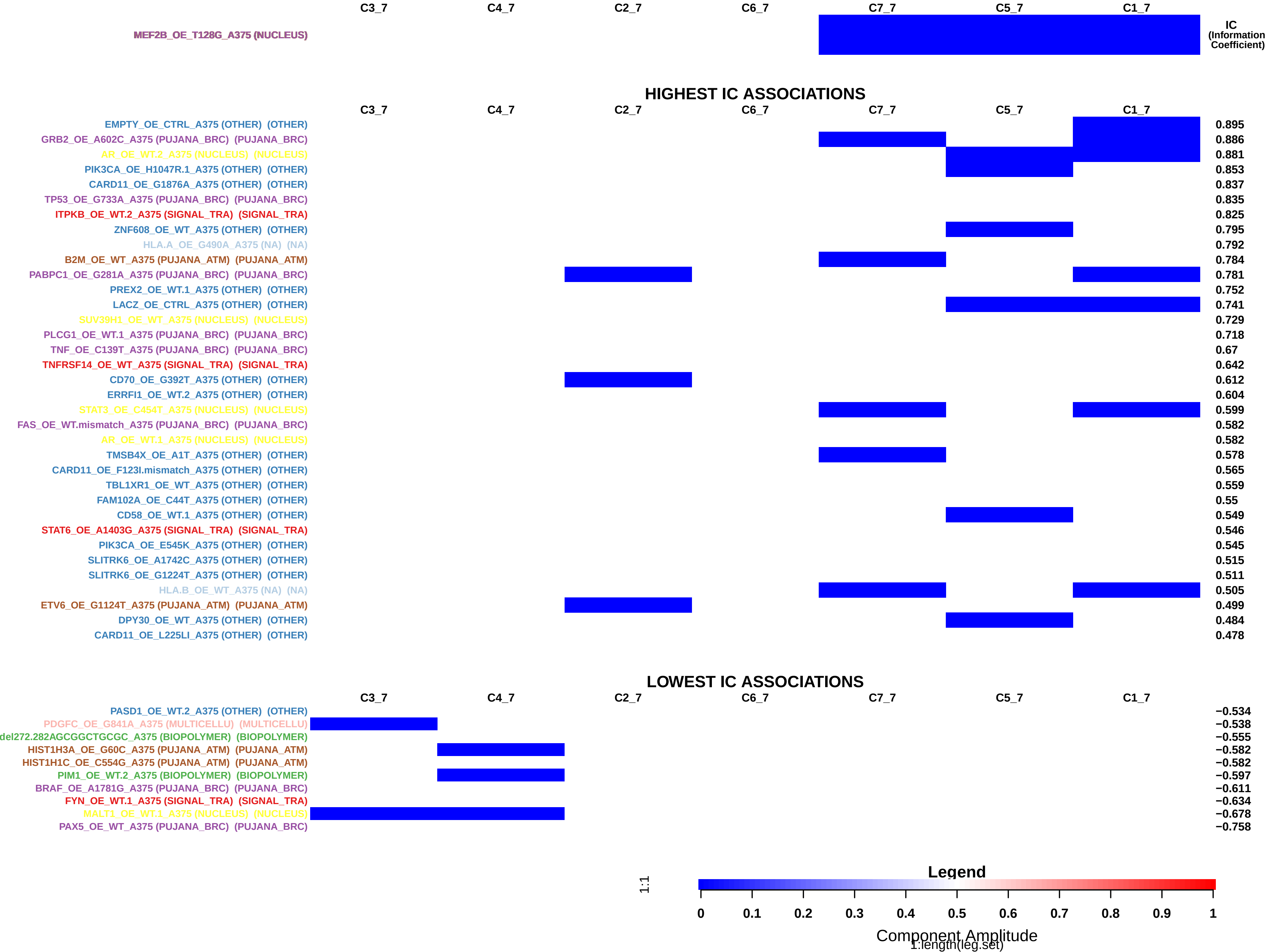
CD70_OE_WT_A375 (OTHER)

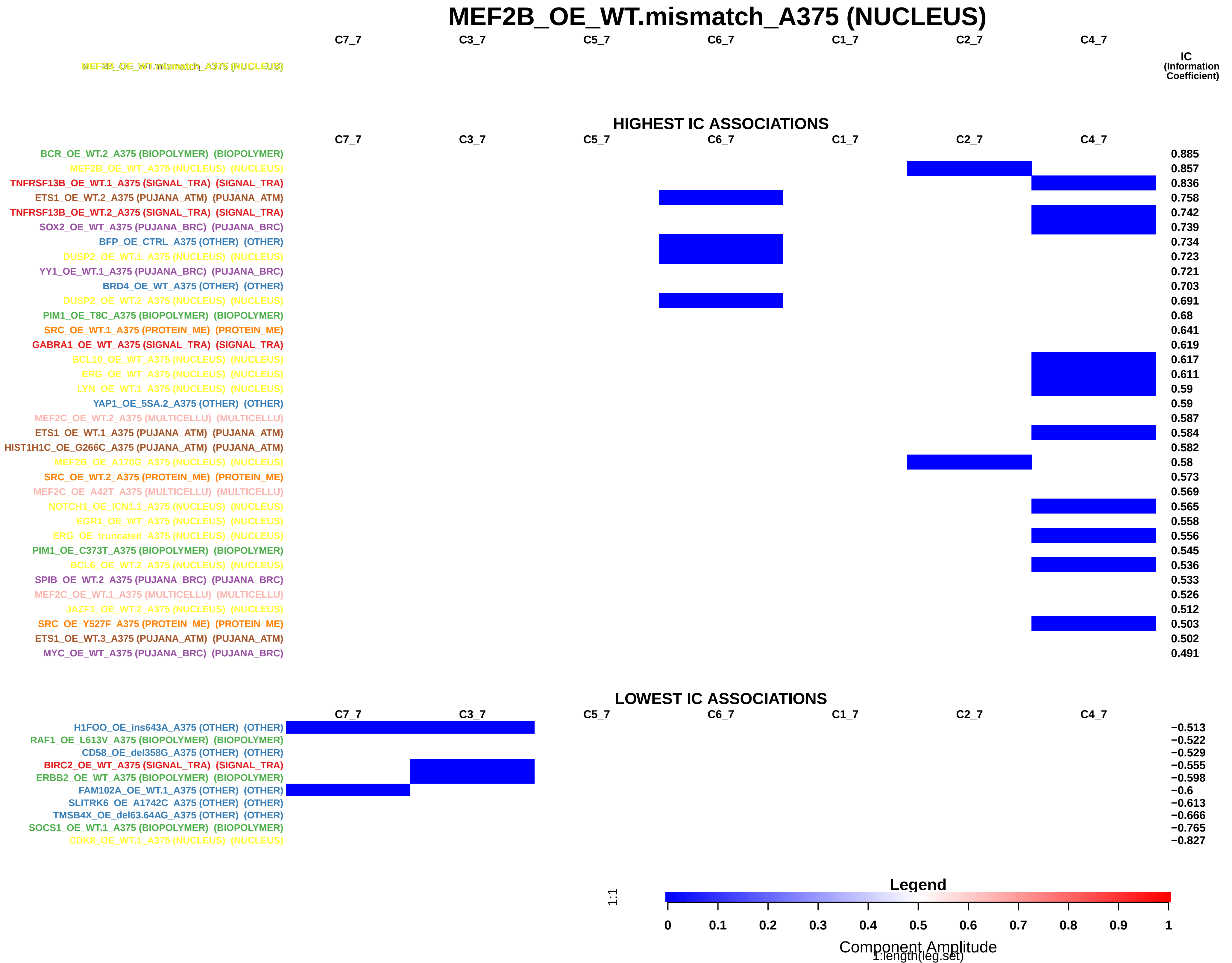


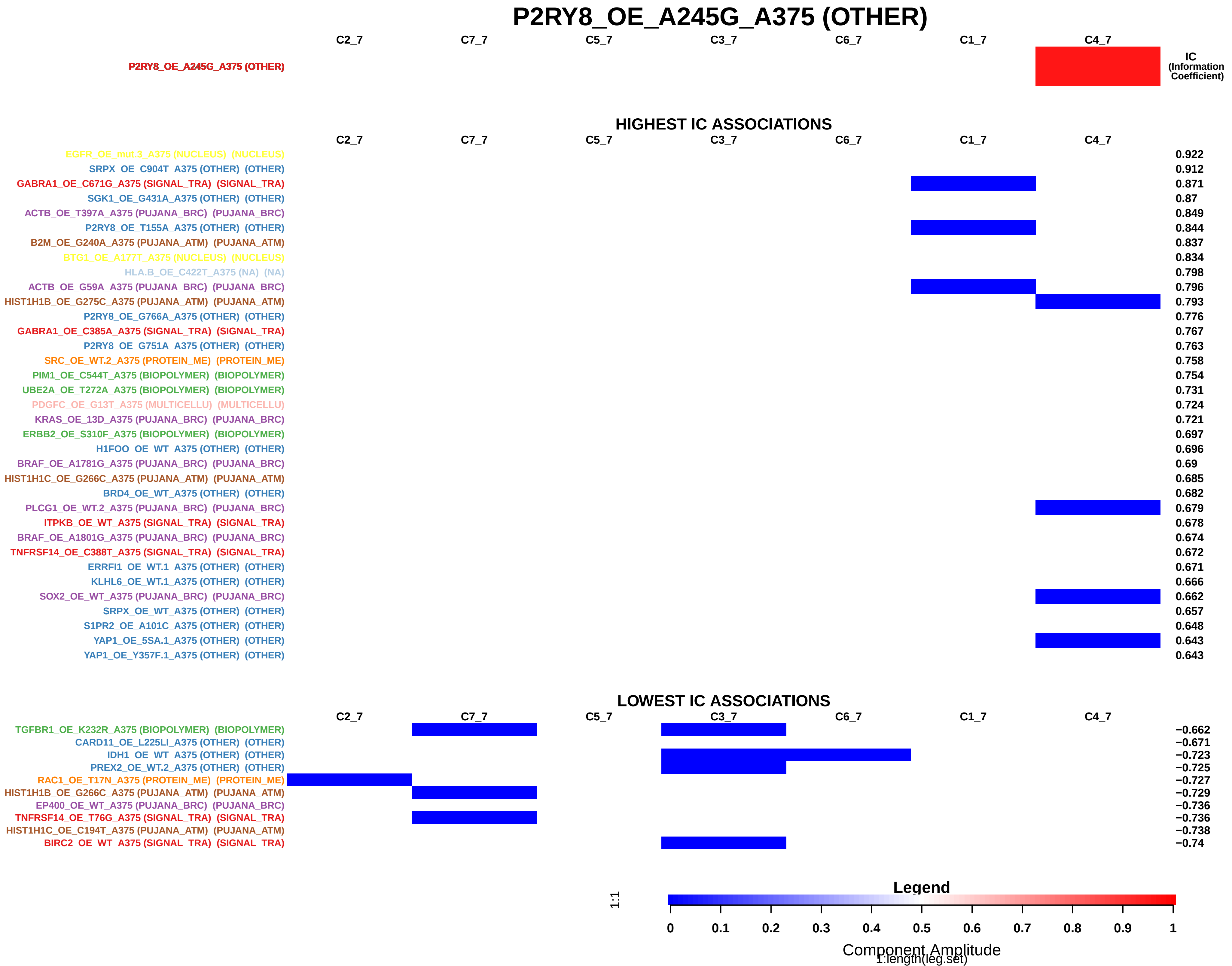
POU2F2_OE_WT_A375 (BIOPOLYMER)



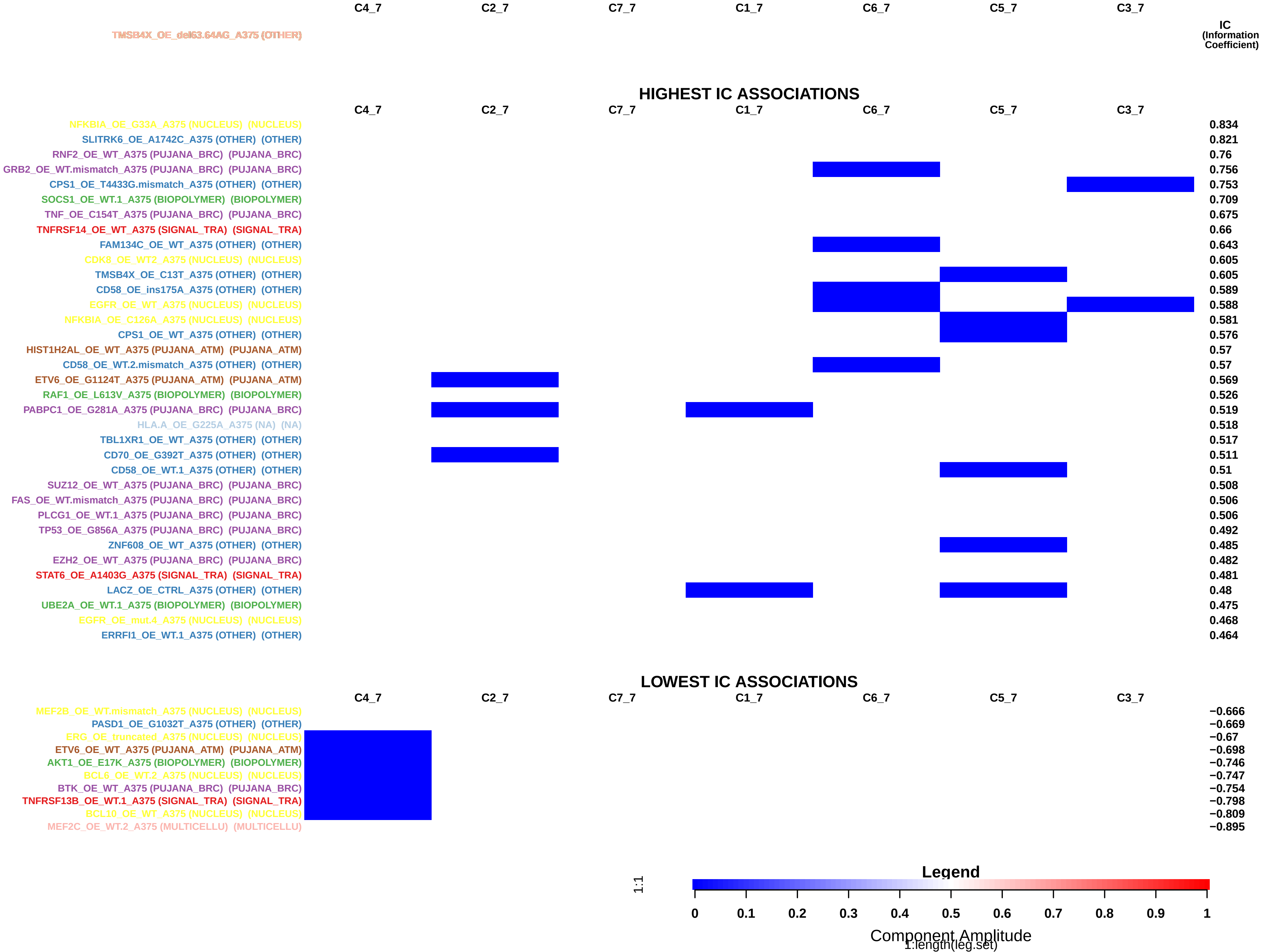
MEF2B_OE_T128G_A375 (NUCLEUS)

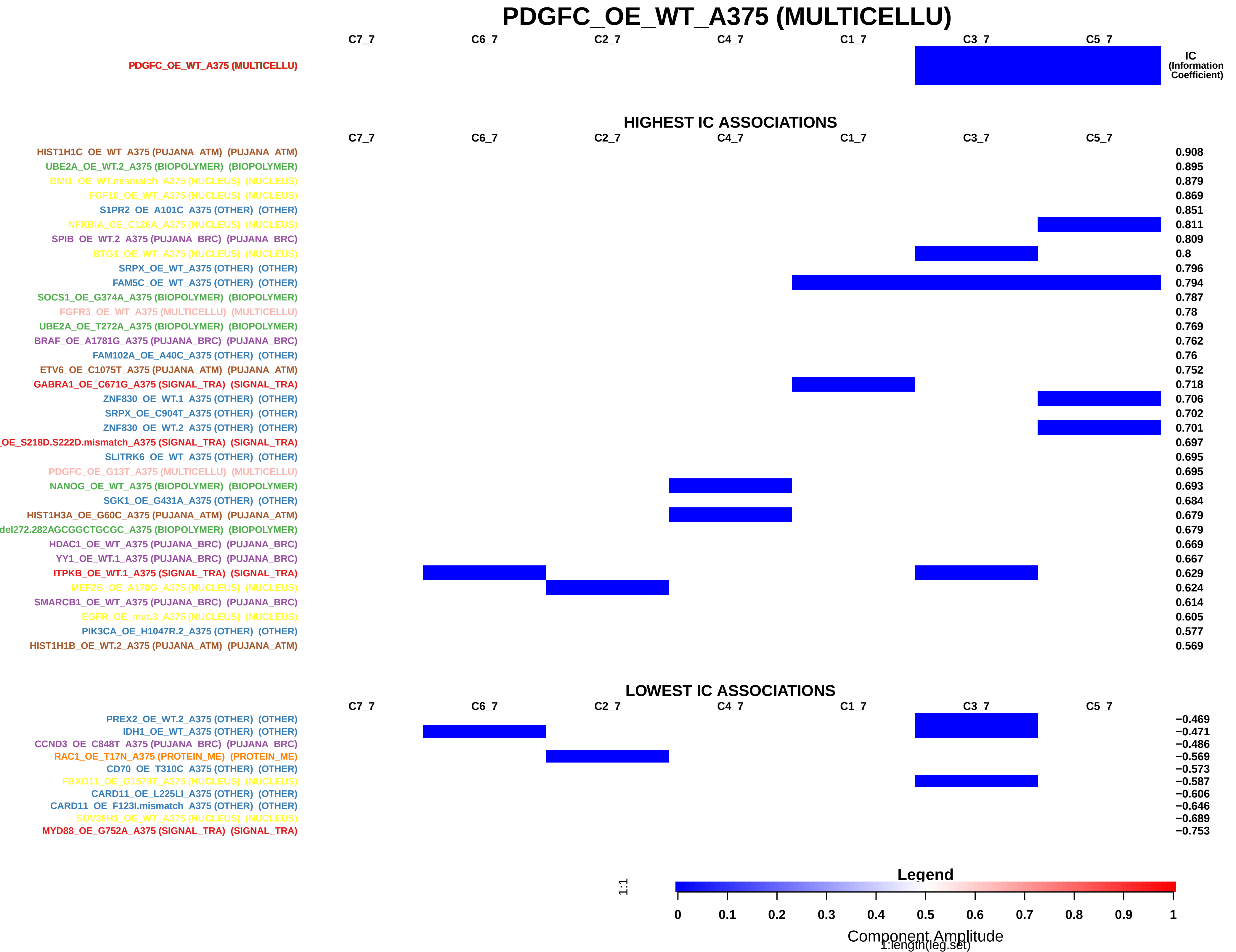


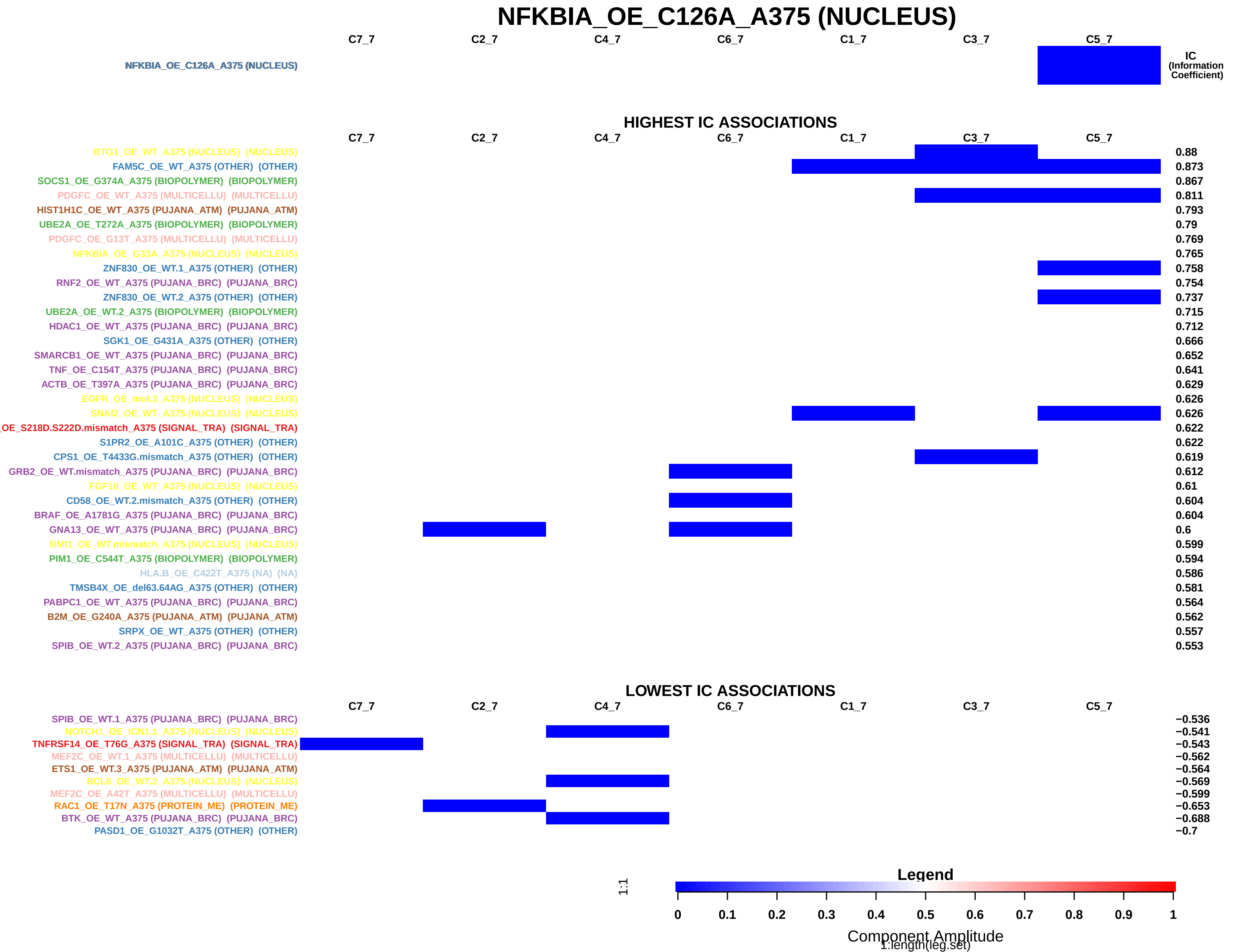

MEF2B_OE_WT.mismatch_A375 (NUCLEUS)
C7_7
C3_7
C5_7
C6_7
C1_7
C2_7
C4_7
MEF2B_OE_WT.mismatch_A375 (NUCLEUS)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
C7_7
C3_7
C5_7
C6_7
C1_7
C2_7
C4_7
BCR_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.885
MEF2B_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.857
TNFRSF13B_OE_WT.1_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.836
ETS1_OE_WT.2_A375 (PUJANA_ATM) (PUJANA_ATM) 0.758
TNFRSF13B_OE_WT.2_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.742
SOX2_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.739
BFP_OE_CTRL_A375 (OTHER) (OTHER) 0.734
DUSP2_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.723
YY1_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) 0.721
BRD4_OE_WT_A375 (OTHER) (OTHER) 0.703
DUSP2_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.691
PIM1_OE_T8C_A375 (BIOPOLYMER) (BIOPOLYMER) 0.68
SRC_OE_WT.1_A375 (PROTEIN_ME) (PROTEIN_ME) 0.641
GABRA1_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.619
BCL10_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.617
ERG_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.611
LYN_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.59
YAP1_OE_5SA.2_A375 (OTHER) (OTHER) 0.59
MEF2C_OE_WT.2_A375 (MULTICELLU) (MULTICELLU) 0.587
ETS1_OE_WT.1_A375 (PUJANA_ATM) (PUJANA_ATM) 0.584
HIST1H1C_OE_G266C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.582
MEF2B_OE_A170G_A375 (NUCLEUS) (NUCLEUS) 0.58
SRC_OE_WT.2_A375 (PROTEIN_ME) (PROTEIN_ME) 0.573
MEF2C_OE_A42T_A375 (MULTICELLU) (MULTICELLU) 0.569
NOTCH1_OE_ICN1.1_A375 (NUCLEUS) (NUCLEUS) 0.565
EGR1_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.558
ERG_OE_truncated_A375 (NUCLEUS) (NUCLEUS) 0.556
PIM1_OE_C373T_A375 (BIOPOLYMER) (BIOPOLYMER) 0.545
BCL6_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.536
SPIB_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.533
MEF2C_OE_WT.1_A375 (MULTICELLU) (MULTICELLU) 0.526
JAZF1_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.512
SRC_OE_Y527F_A375 (PROTEIN_ME) (PROTEIN_ME) 0.503
ETS1_OE_WT.3_A375 (PUJANA_ATM) (PUJANA_ATM) 0.502
MYC_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.491
LOWEST IC ASSOCIATIONS
C7_7
C3_7
C5_7
C6_7
C1_7
C2_7
C4_7
H1FOO_OE_ins643A_A375 (OTHER) (OTHER) −0.513
RAF1_OE_L613V_A375 (BIOPOLYMER) (BIOPOLYMER) −0.522
CD58_OE_del358G_A375 (OTHER) (OTHER) −0.529
BIRC2_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.555
ERBB2_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) −0.598
FAM102A_OE_WT.1_A375 (OTHER) (OTHER) −0.6
SLITRK6_OE_A1742C_A375 (OTHER) (OTHER) −0.613
TMSB4X_OE_del63.64AG_A375 (OTHER) (OTHER) −0.666
SOCS1_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) −0.765
CDK8_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) −0.827
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

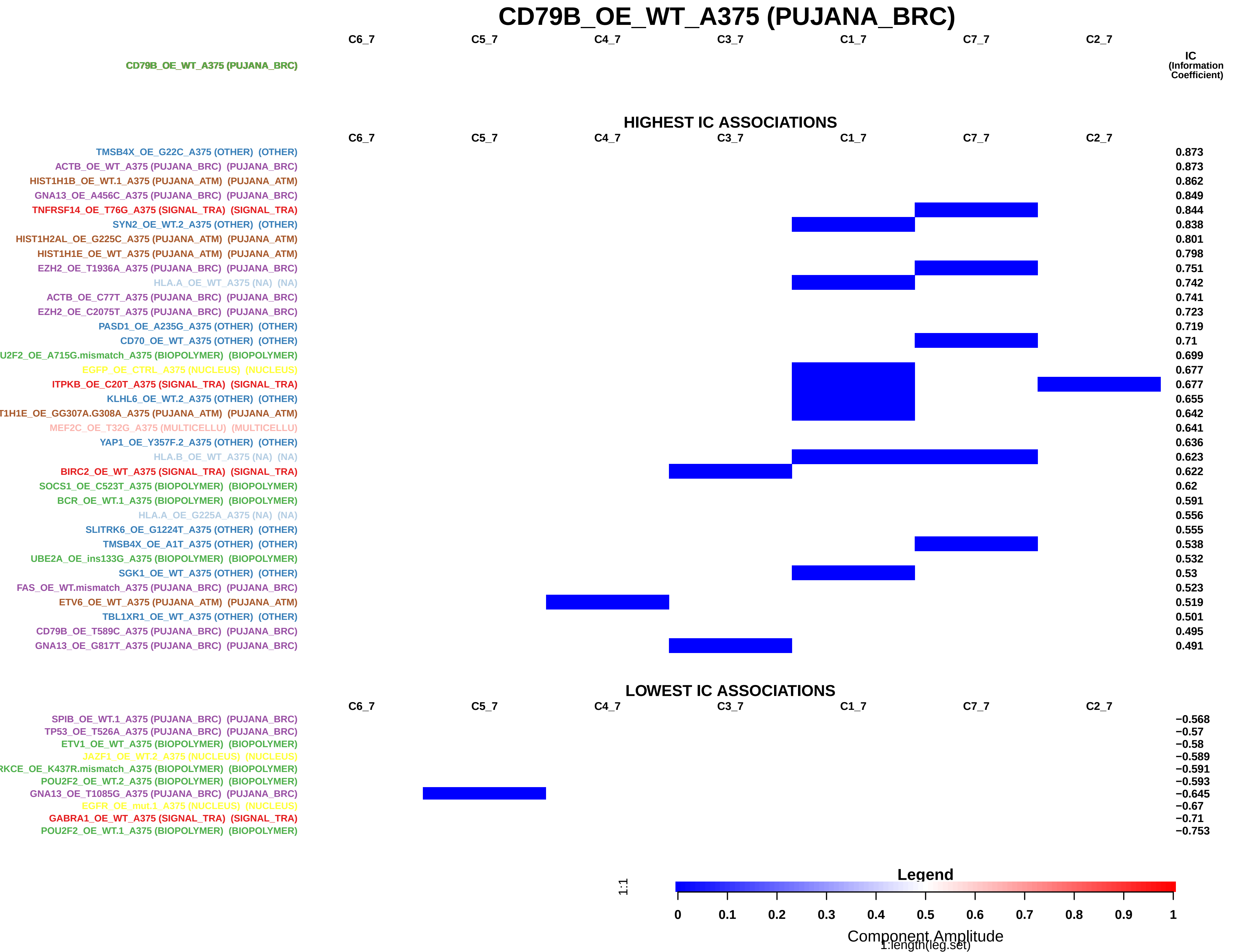

P2RY8_OE_A245G_A375 (OTHER)
C2_7
C7_7
C5_7
C3_7
C6_7
C1_7
C4_7
P2RY8_OE_A245G_A375 (OTHER)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
EGFR_OE_mut.3_A375 (NUCLEUS) (NUCLEUS) 0.922
SRPX_OE_C904T_A375 (OTHER) (OTHER) 0.912
GABRA1_OE_C671G_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.871
SGK1_OE_G431A_A375 (OTHER) (OTHER) 0.87
ACTB_OE_T397A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.849
P2RY8_OE_T155A_A375 (OTHER) (OTHER) 0.844
B2M_OE_G240A_A375 (PUJANA_ATM) (PUJANA_ATM) 0.837
BTG1_OE_A177T_A375 (NUCLEUS) (NUCLEUS) 0.834
HLA.B_OE_C422T_A375 (NA) (NA) 0.798
ACTB_OE_G59A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.796
HIST1H1B_OE_G275C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.793
P2RY8_OE_G766A_A375 (OTHER) (OTHER) 0.776
GABRA1_OE_C385A_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.767
P2RY8_OE_G751A_A375 (OTHER) (OTHER) 0.763
SRC_OE_WT.2_A375 (PROTEIN_ME) (PROTEIN_ME) 0.758
PIM1_OE_C544T_A375 (BIOPOLYMER) (BIOPOLYMER) 0.754
UBE2A_OE_T272A_A375 (BIOPOLYMER) (BIOPOLYMER) 0.731
PDGFC_OE_G13T_A375 (MULTICELLU) (MULTICELLU) 0.724
KRAS_OE_13D_A375 (PUJANA_BRC) (PUJANA_BRC) 0.721
ERBB2_OE_S310F_A375 (BIOPOLYMER) (BIOPOLYMER) 0.697
H1FOO_OE_WT_A375 (OTHER) (OTHER) 0.696
BRAF_OE_A1781G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.69
HIST1H1C_OE_G266C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.685
BRD4_OE_WT_A375 (OTHER) (OTHER) 0.682
PLCG1_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.679
ITPKB_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.678
BRAF_OE_A1801G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.674
TNFRSF14_OE_C388T_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.672
ERRFI1_OE_WT.1_A375 (OTHER) (OTHER) 0.671
KLHL6_OE_WT.1_A375 (OTHER) (OTHER) 0.666
SOX2_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.662
SRPX_OE_WT_A375 (OTHER) (OTHER) 0.657
S1PR2_OE_A101C_A375 (OTHER) (OTHER) 0.648
YAP1_OE_5SA.1_A375 (OTHER) (OTHER) 0.643
YAP1_OE_Y357F.1_A375 (OTHER) (OTHER) 0.643
LOWEST IC ASSOCIATIONS
TGFBR1_OE_K232R_A375 (BIOPOLYMER) (BIOPOLYMER) −0.662
CARD11_OE_L225LI_A375 (OTHER) (OTHER) −0.671
IDH1_OE_WT_A375 (OTHER) (OTHER) −0.723
PREX2_OE_WT.2_A375 (OTHER) (OTHER) −0.725
RAC1_OE_T17N_A375 (PROTEIN_ME) (PROTEIN_ME) −0.727
HIST1H1B_OE_G266C_A375 (PUJANA_ATM) (PUJANA_ATM) −0.729
EP400_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) −0.736
TNFRSF14_OE_T76G_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.736
HIST1H1C_OE_C194T_A375 (PUJANA_ATM) (PUJANA_ATM) −0.738
BIRC2_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.74
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

TMSB4X_OE_del63.64AG_A375 (OTHER)

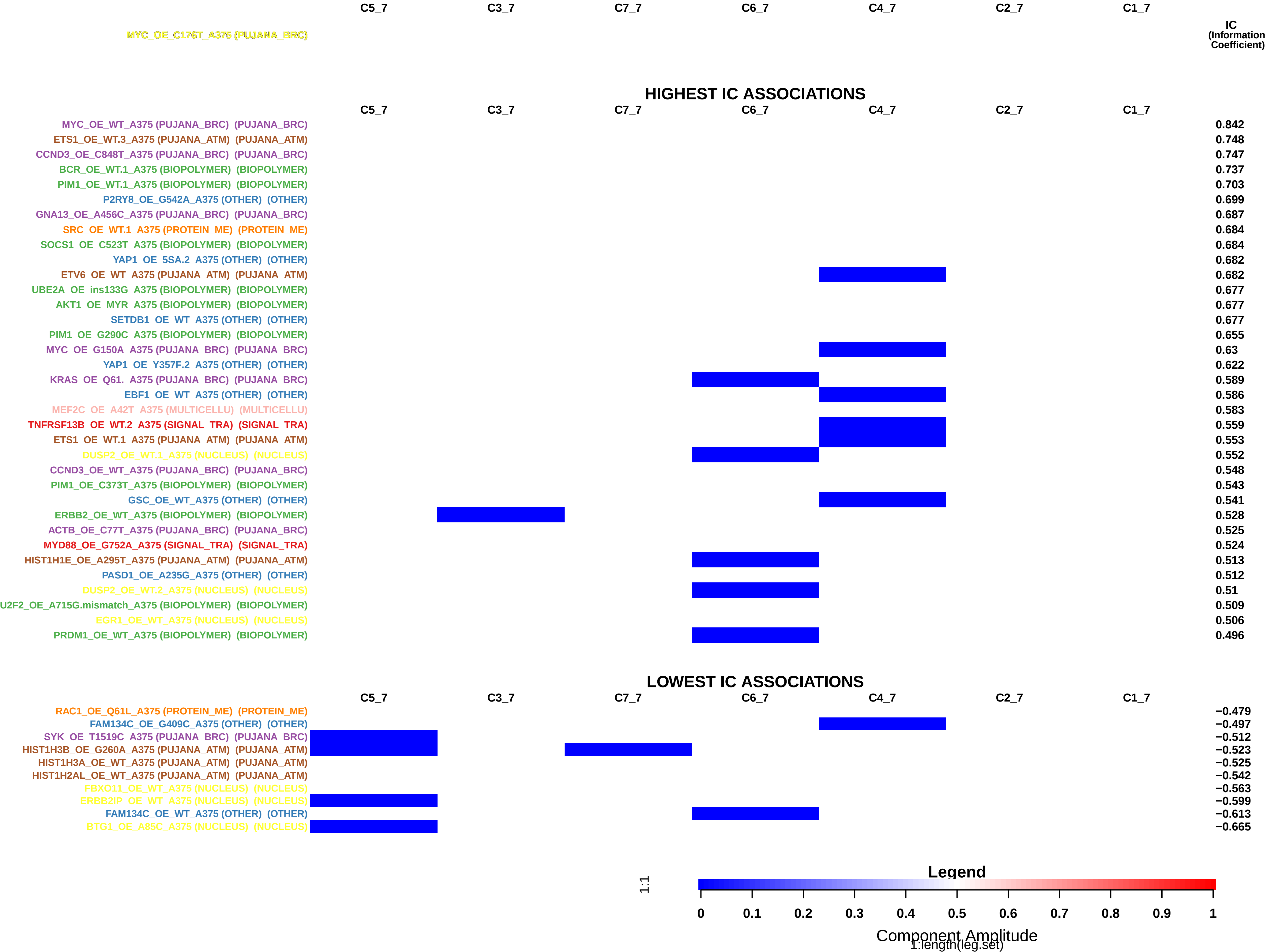



PDGFC_OE_WT_A375 (MULTICELLU)
C7_7
C6_7
C2_7
C4_7
C1_7
C3_7
C5_7
PDGFC_OE_WT_A375 (MULTICELLU)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
HIST1H1C_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.908
UBE2A_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.895
BMI1_OE_WT.mismatch_A375 (NUCLEUS) (NUCLEUS) 0.879
FGF10_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.869
S1PR2_OE_A101C_A375 (OTHER) (OTHER) 0.851
NFKBIA_OE_C126A_A375 (NUCLEUS) (NUCLEUS) 0.811
SPIB_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.809
BTG1_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.8
SRPX_OE_WT_A375 (OTHER) (OTHER) 0.796
FAM5C_OE_WT_A375 (OTHER) (OTHER) 0.794
SOCS1_OE_G374A_A375 (BIOPOLYMER) (BIOPOLYMER) 0.787
FGFR3_OE_WT_A375 (MULTICELLU) (MULTICELLU) 0.78
UBE2A_OE_T272A_A375 (BIOPOLYMER) (BIOPOLYMER) 0.769
BRAF_OE_A1781G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.762
FAM102A_OE_A40C_A375 (OTHER) (OTHER) 0.76
ETV6_OE_C1075T_A375 (PUJANA_ATM) (PUJANA_ATM) 0.752
GABRA1_OE_C671G_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.718
ZNF830_OE_WT.1_A375 (OTHER) (OTHER) 0.706
SRPX_OE_C904T_A375 (OTHER) (OTHER) 0.702
ZNF830_OE_WT.2_A375 (OTHER) (OTHER) 0.701
OE_S218D.S222D.mismatch_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.697
SLITRK6_OE_WT_A375 (OTHER) (OTHER) 0.695
PDGFC_OE_G13T_A375 (MULTICELLU) (MULTICELLU) 0.695
NANOG_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.693
SGK1_OE_G431A_A375 (OTHER) (OTHER) 0.684
HIST1H3A_OE_G60C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.679
del272.282AGCGGCTGCGC_A375 (BIOPOLYMER) (BIOPOLYMER) 0.679
HDAC1_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.669
YY1_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) 0.667
ITPKB_OE_WT.1_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.629
MEF2B_OE_A170G_A375 (NUCLEUS) (NUCLEUS) 0.624
SMARCB1_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.614
EGFR_OE_mut.3_A375 (NUCLEUS) (NUCLEUS) 0.605
PIK3CA_OE_H1047R.2_A375 (OTHER) (OTHER) 0.577
HIST1H1B_OE_WT.2_A375 (PUJANA_ATM) (PUJANA_ATM) 0.569
LOWEST IC ASSOCIATIONS
PREX2_OE_WT.2_A375 (OTHER) (OTHER) −0.469
IDH1_OE_WT_A375 (OTHER) (OTHER) −0.471
CCND3_OE_C848T_A375 (PUJANA_BRC) (PUJANA_BRC) −0.486
RAC1_OE_T17N_A375 (PROTEIN_ME) (PROTEIN_ME) −0.569
CD70_OE_T310C_A375 (OTHER) (OTHER) −0.573
FBXO11_OE_G1579T_A375 (NUCLEUS) (NUCLEUS) −0.587
CARD11_OE_L225LI_A375 (OTHER) (OTHER) −0.606
CARD11_OE_F123I.mismatch_A375 (OTHER) (OTHER) −0.646
SUV39H1_OE_WT_A375 (NUCLEUS) (NUCLEUS) −0.689
MYD88_OE_G752A_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.753
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

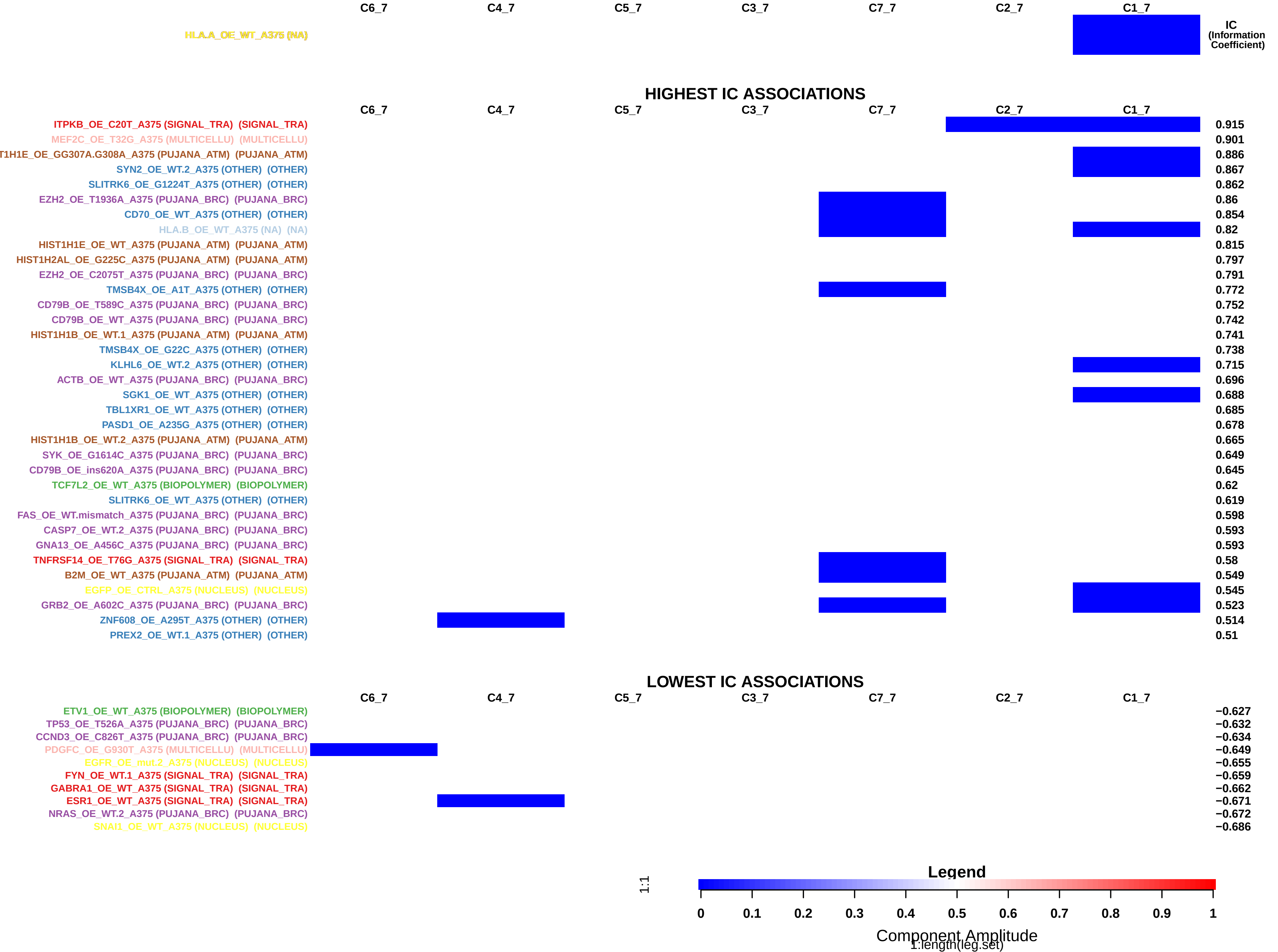

NFKBIA_OE_C126A_A375 (NUCLEUS)
C7_7
C2_7
C4_7
C6_7
C1_7
C3_7
C5_7
NFKBIA_OE_C126A_A375 (NUCLEUS)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
C7_7
C2_7
C4_7
C6_7
C1_7
C3_7
C5_7
BTG1_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.88
FAM5C_OE_WT_A375 (OTHER) (OTHER) 0.873
SOCS1_OE_G374A_A375 (BIOPOLYMER) (BIOPOLYMER) 0.867
PDGFC_OE_WT_A375 (MULTICELLU) (MULTICELLU) 0.811
HIST1H1C_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.793
UBE2A_OE_T272A_A375 (BIOPOLYMER) (BIOPOLYMER) 0.79
PDGFC_OE_G13T_A375 (MULTICELLU) (MULTICELLU) 0.769
NFKBIA_OE_G33A_A375 (NUCLEUS) (NUCLEUS) 0.765
ZNF830_OE_WT.1_A375 (OTHER) (OTHER) 0.758
RNF2_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.754
ZNF830_OE_WT.2_A375 (OTHER) (OTHER) 0.737
UBE2A_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.715
HDAC1_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.712
SGK1_OE_G431A_A375 (OTHER) (OTHER) 0.666
SMARCB1_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.652
TNF_OE_C154T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.641
ACTB_OE_T397A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.629
EGFR_OE_mut.3_A375 (NUCLEUS) (NUCLEUS) 0.626
SNAI2_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.626
OE_S218D.S222D.mismatch_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.622
S1PR2_OE_A101C_A375 (OTHER) (OTHER) 0.622
CPS1_OE_T4433G.mismatch_A375 (OTHER) (OTHER) 0.619
GRB2_OE_WT.mismatch_A375 (PUJANA_BRC) (PUJANA_BRC) 0.612
FGF10_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.61
CD58_OE_WT.2.mismatch_A375 (OTHER) (OTHER) 0.604
BRAF_OE_A1781G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.604
GNA13_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.6
BMI1_OE_WT.mismatch_A375 (NUCLEUS) (NUCLEUS) 0.599
PIM1_OE_C544T_A375 (BIOPOLYMER) (BIOPOLYMER) 0.594
HLA.B_OE_C422T_A375 (NA) (NA) 0.586
TMSB4X_OE_del63.64AG_A375 (OTHER) (OTHER) 0.581
PABPC1_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.564
B2M_OE_G240A_A375 (PUJANA_ATM) (PUJANA_ATM) 0.562
SRPX_OE_WT_A375 (OTHER) (OTHER) 0.557
SPIB_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.553
LOWEST IC ASSOCIATIONS
C7_7
C2_7
C4_7
C6_7
C1_7
C3_7
C5_7
SPIB_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) −0.536
NOTCH1_OE_ICN1.1_A375 (NUCLEUS) (NUCLEUS) −0.541
TNFRSF14_OE_T76G_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.543
MEF2C_OE_WT.1_A375 (MULTICELLU) (MULTICELLU) −0.562
ETS1_OE_WT.3_A375 (PUJANA_ATM) (PUJANA_ATM) −0.564
BCL6_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) −0.569
MEF2C_OE_A42T_A375 (MULTICELLU) (MULTICELLU) −0.599
RAC1_OE_T17N_A375 (PROTEIN_ME) (PROTEIN_ME) −0.653
BTK_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) −0.688
PASD1_OE_G1032T_A375 (OTHER) (OTHER) −0.7
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)


CD79B_OE_WT_A375 (PUJANA_BRC)
C6_7
C5_7
C4_7
C3_7
C1_7
C7_7
C2_7
CD79B_OE_WT_A375 (PUJANA_BRC)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
C6_7
C5_7
C4_7
C3_7
C1_7
C7_7
C2_7
TMSB4X_OE_G22C_A375 (OTHER) (OTHER) 0.873
ACTB_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.873
HIST1H1B_OE_WT.1_A375 (PUJANA_ATM) (PUJANA_ATM) 0.862
GNA13_OE_A456C_A375 (PUJANA_BRC) (PUJANA_BRC) 0.849
TNFRSF14_OE_T76G_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.844
SYN2_OE_WT.2_A375 (OTHER) (OTHER) 0.838
HIST1H2AL_OE_G225C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.801
HIST1H1E_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.798
EZH2_OE_T1936A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.751
HLA.A_OE_WT_A375 (NA) (NA) 0.742
ACTB_OE_C77T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.741
EZH2_OE_C2075T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.723
PASD1_OE_A235G_A375 (OTHER) (OTHER) 0.719
CD70_OE_WT_A375 (OTHER) (OTHER) 0.71
U2F2_OE_A715G.mismatch_A375 (BIOPOLYMER) (BIOPOLYMER) 0.699
EGFP_OE_CTRL_A375 (NUCLEUS) (NUCLEUS) 0.677
ITPKB_OE_C20T_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.677
KLHL6_OE_WT.2_A375 (OTHER) (OTHER) 0.655
T1H1E_OE_GG307A.G308A_A375 (PUJANA_ATM) (PUJANA_ATM) 0.642
MEF2C_OE_T32G_A375 (MULTICELLU) (MULTICELLU) 0.641
YAP1_OE_Y357F.2_A375 (OTHER) (OTHER) 0.636
HLA.B_OE_WT_A375 (NA) (NA) 0.623
BIRC2_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.622
SOCS1_OE_C523T_A375 (BIOPOLYMER) (BIOPOLYMER) 0.62
BCR_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) 0.591
HLA.A_OE_G225A_A375 (NA) (NA) 0.556
SLITRK6_OE_G1224T_A375 (OTHER) (OTHER) 0.555
TMSB4X_OE_A1T_A375 (OTHER) (OTHER) 0.538
UBE2A_OE_ins133G_A375 (BIOPOLYMER) (BIOPOLYMER) 0.532
SGK1_OE_WT_A375 (OTHER) (OTHER) 0.53
FAS_OE_WT.mismatch_A375 (PUJANA_BRC) (PUJANA_BRC) 0.523
ETV6_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.519
TBL1XR1_OE_WT_A375 (OTHER) (OTHER) 0.501
CD79B_OE_T589C_A375 (PUJANA_BRC) (PUJANA_BRC) 0.495
GNA13_OE_G817T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.491
LOWEST IC ASSOCIATIONS
C6_7
C5_7
C4_7
C3_7
C1_7
C7_7
C2_7
SPIB_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) −0.568
TP53_OE_T526A_A375 (PUJANA_BRC) (PUJANA_BRC) −0.57
ETV1_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) −0.58
JAZF1_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) −0.589
RKCE_OE_K437R.mismatch_A375 (BIOPOLYMER) (BIOPOLYMER) −0.591
POU2F2_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) −0.593
GNA13_OE_T1085G_A375 (PUJANA_BRC) (PUJANA_BRC) −0.645
EGFR_OE_mut.1_A375 (NUCLEUS) (NUCLEUS) −0.67
GABRA1_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.71
POU2F2_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) −0.753
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

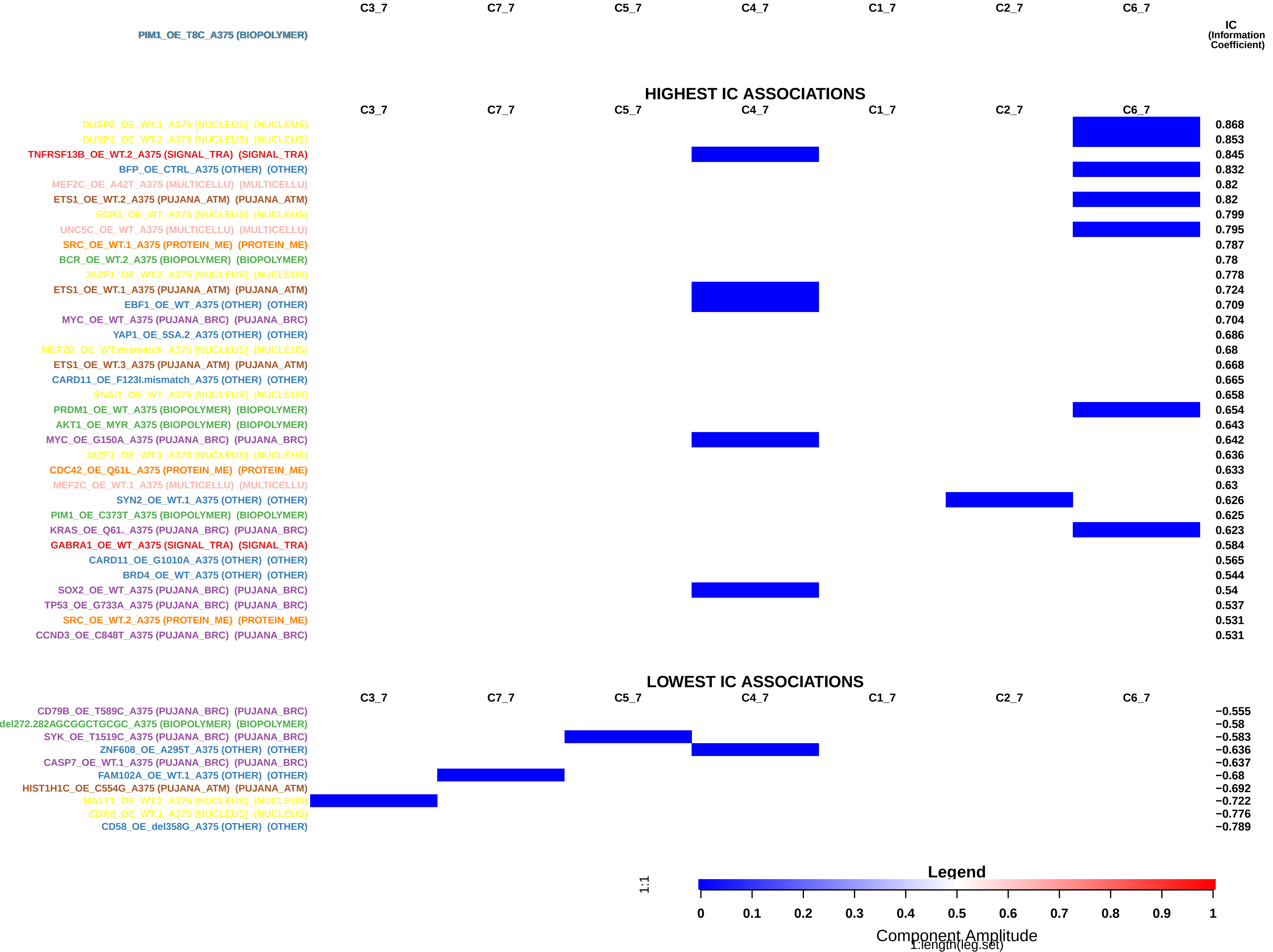
MYC_OE_C176T_A375 (PUJANA_BRC)



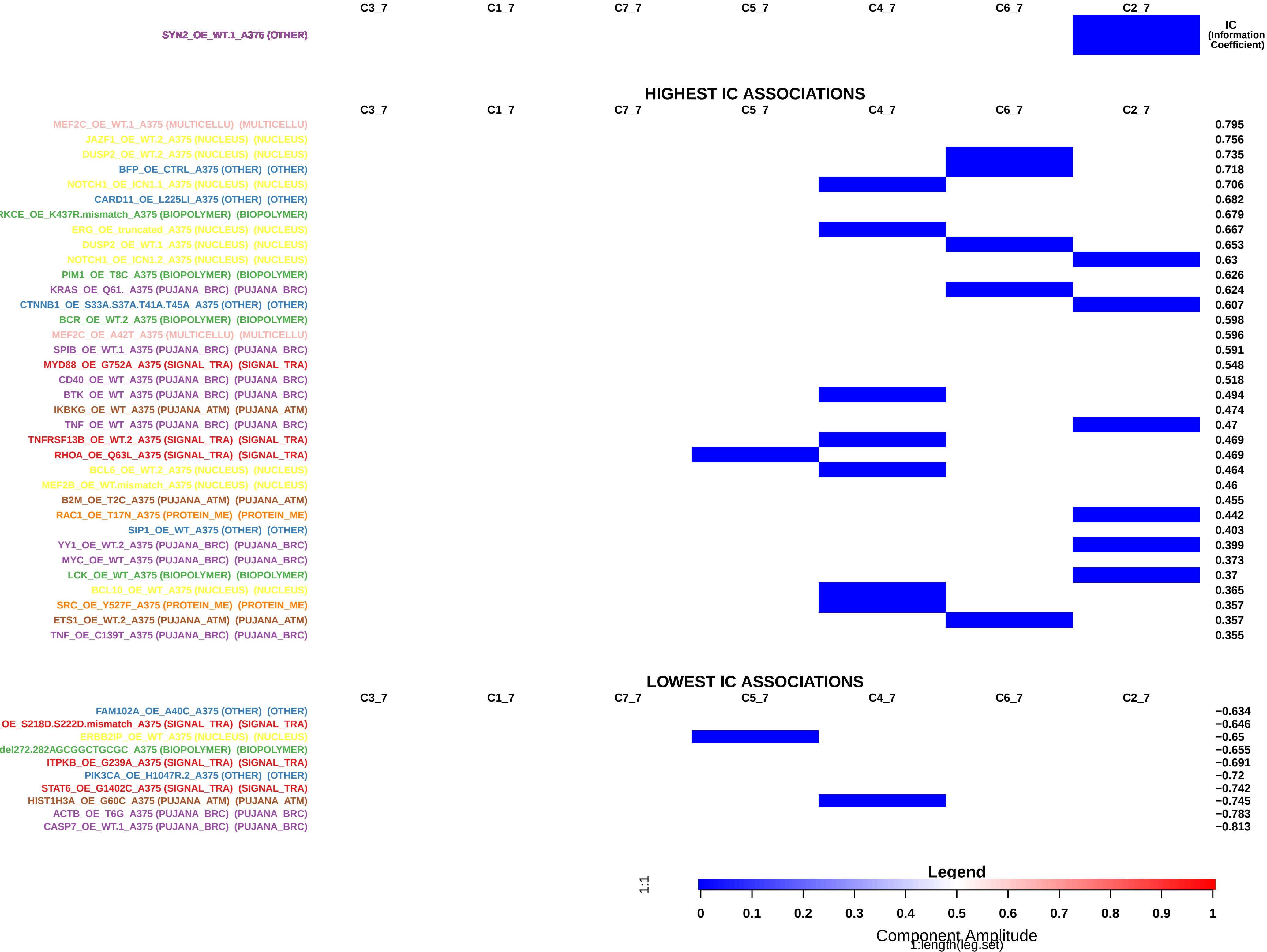
HLA.A_OE_WT_A375 (NA)



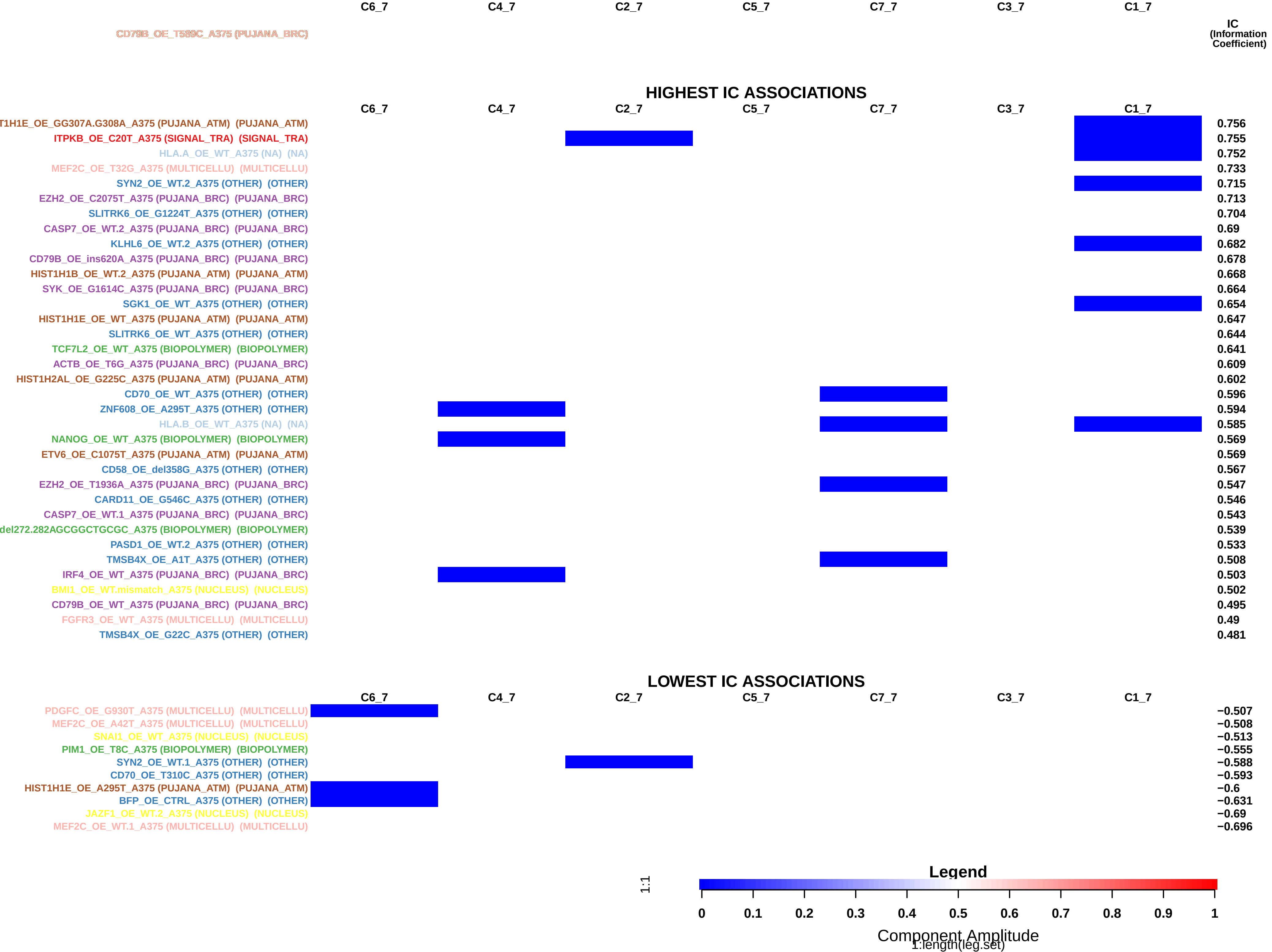
PIM1_OE_T8C_A375 (BIOPOLYMER)



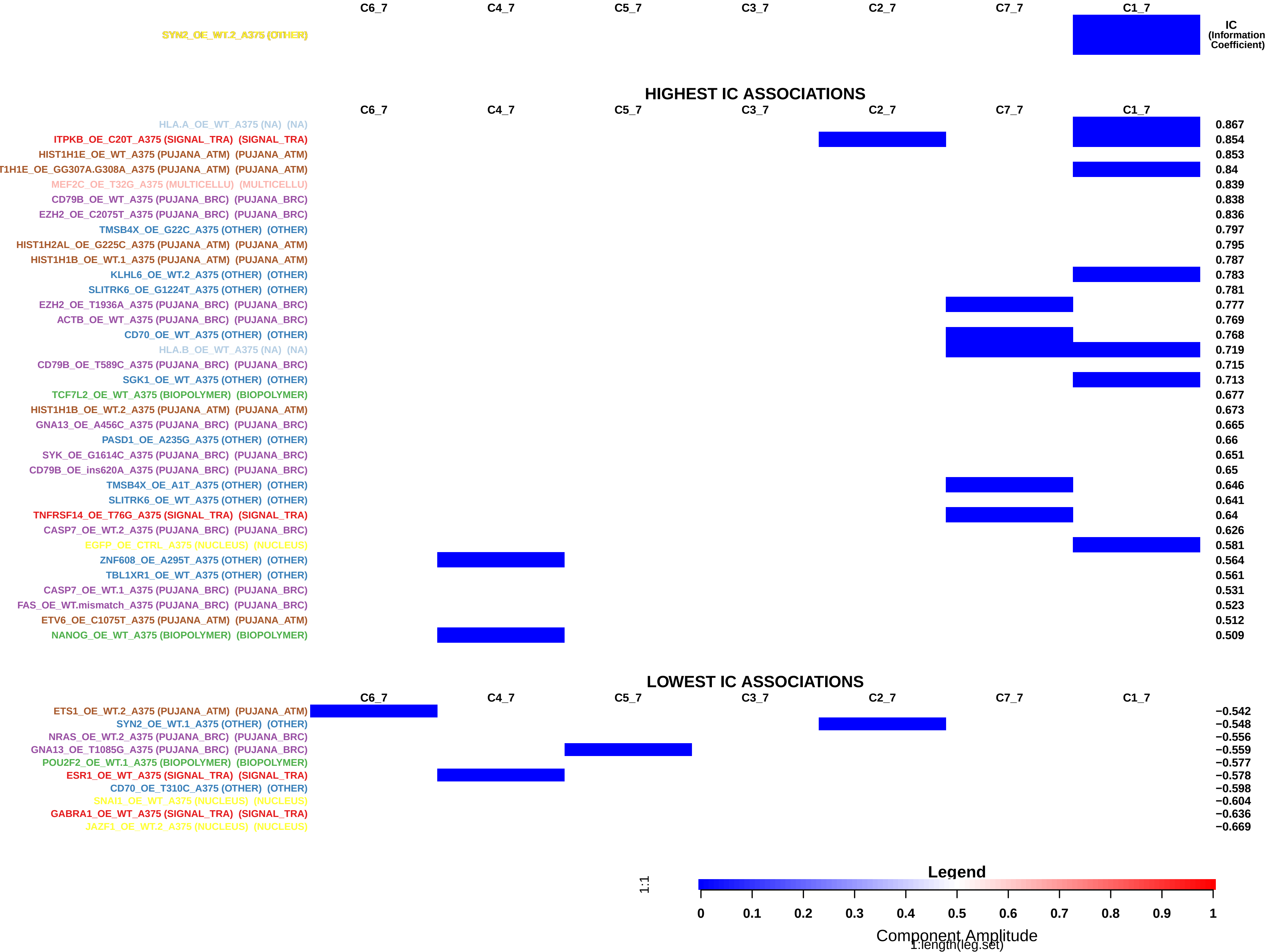
SYN2_OE_WT.1_A375 (OTHER)



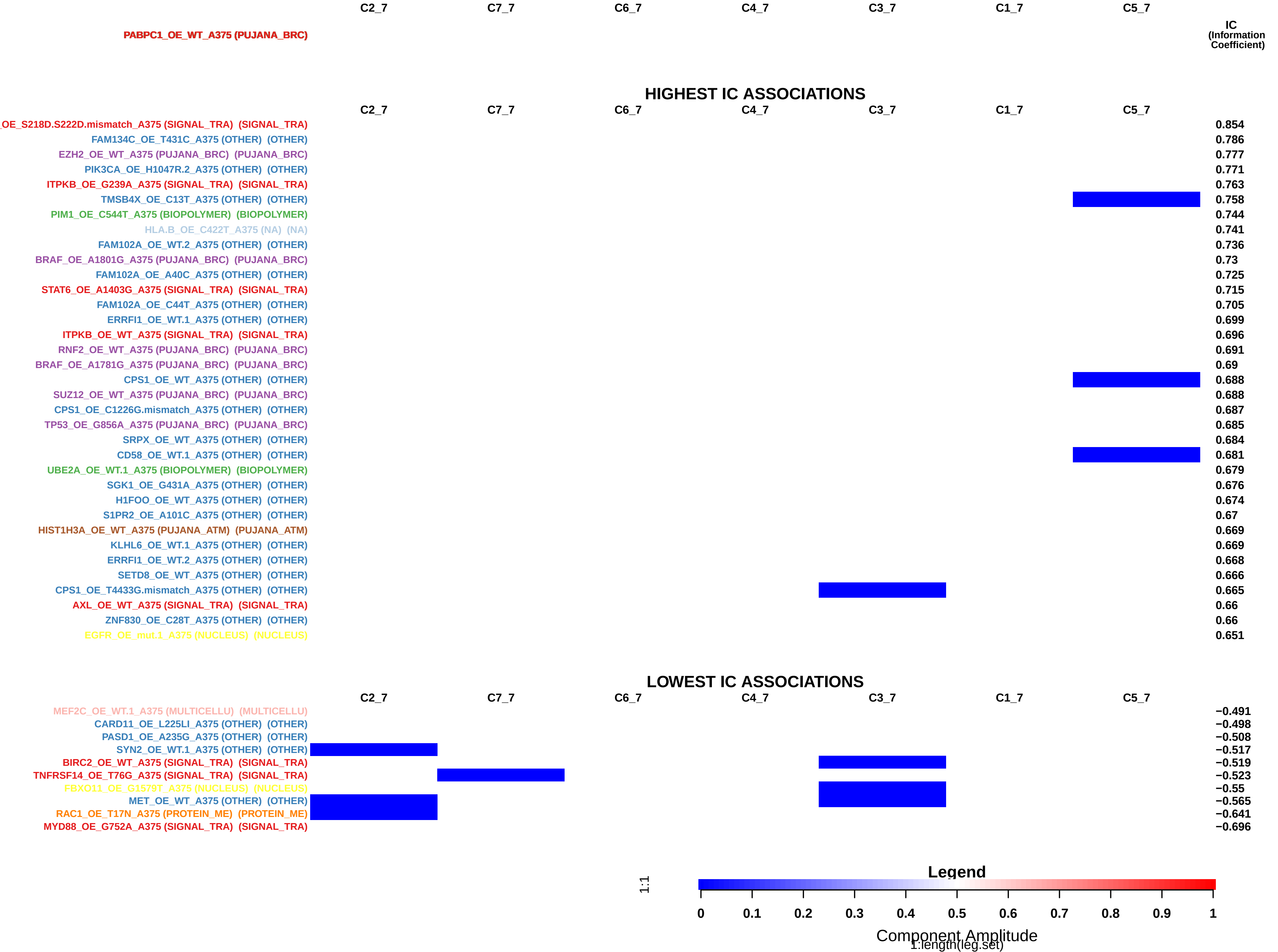
CD79B_OE_T589C_A375 (PUJANA_BRC)



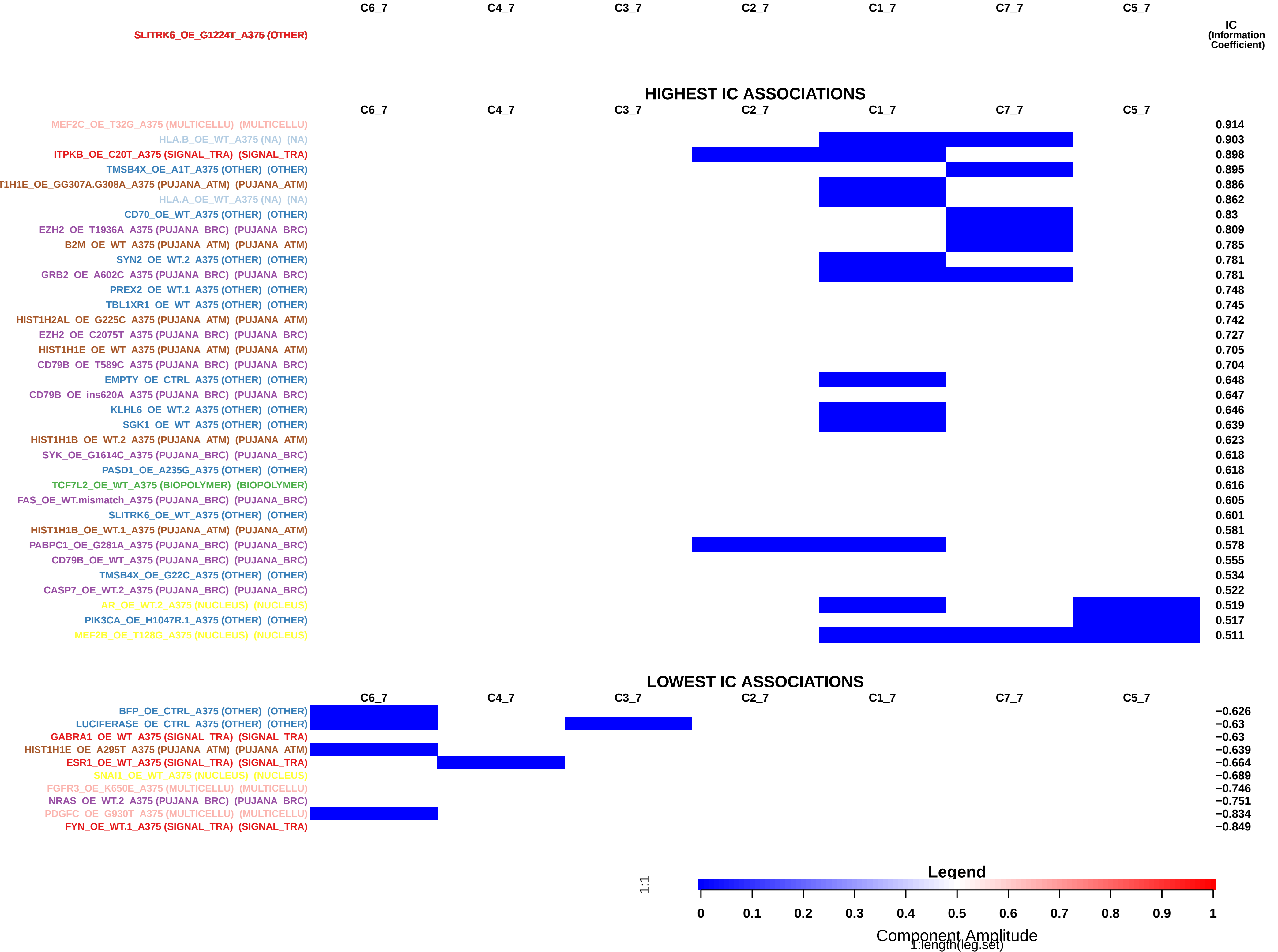
SYN2_OE_WT.2_A375 (OTHER)



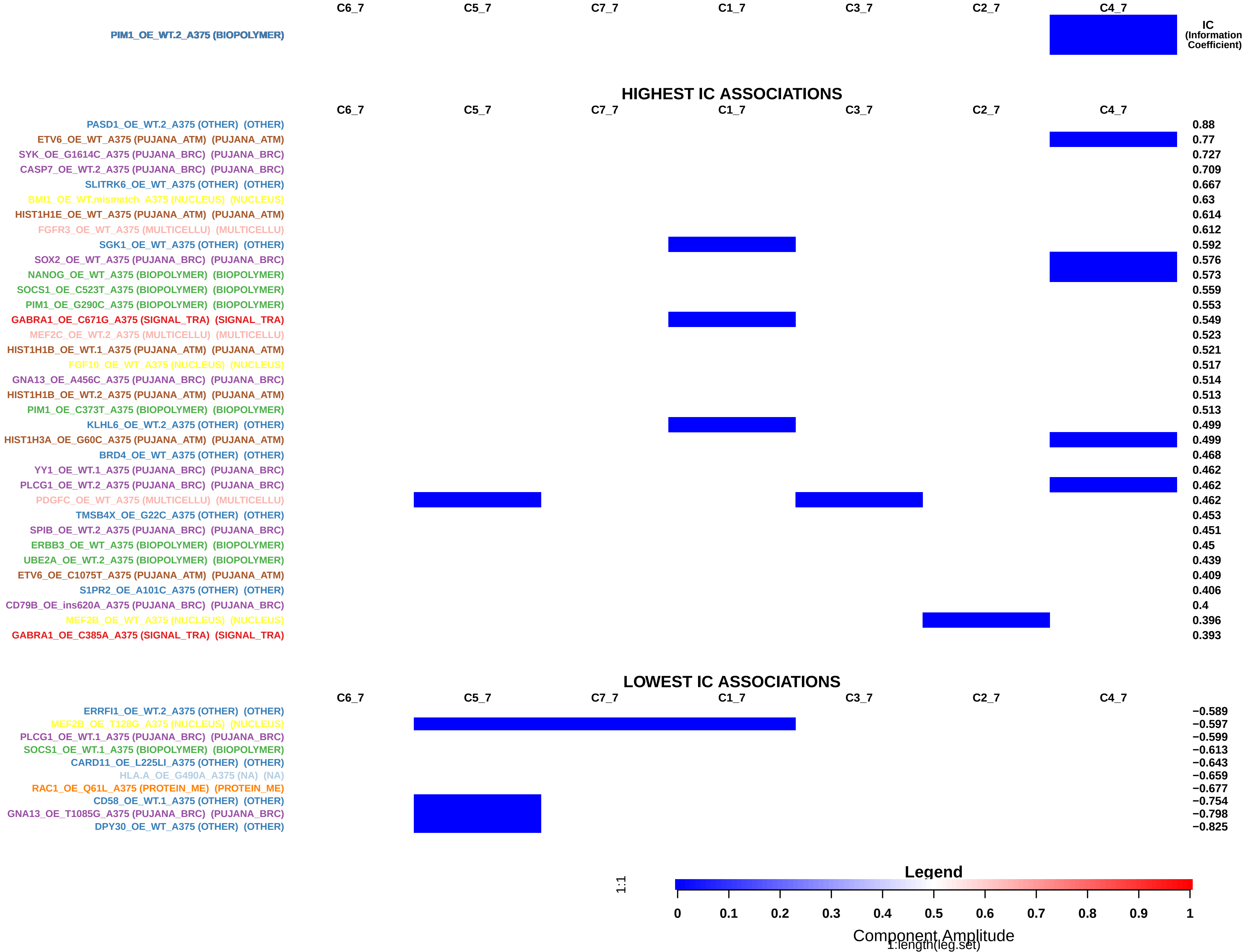
PABPC1_OE_WT_A375 (PUJANA_BRC)



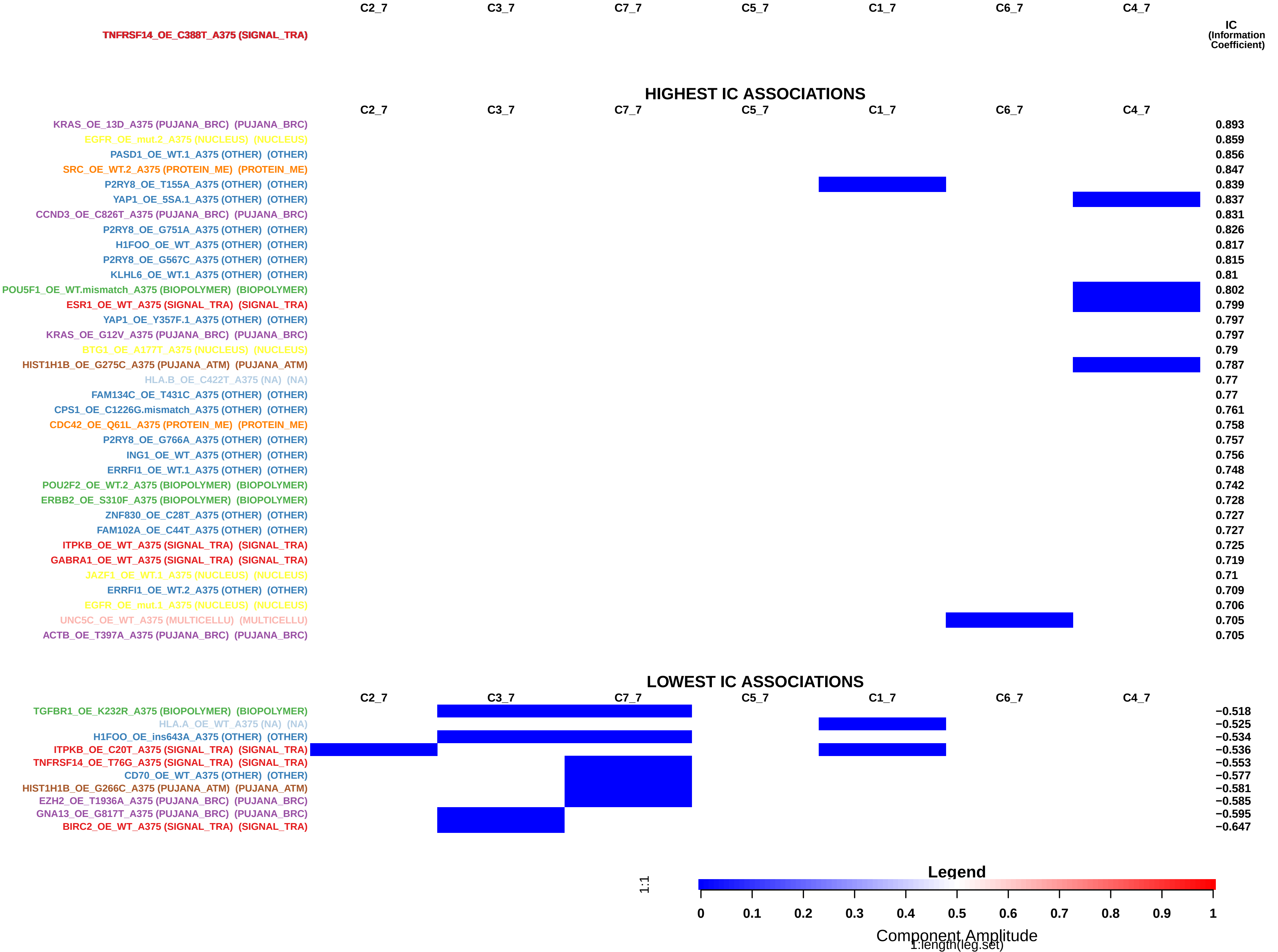
SLITRK6_OE_G1224T_A375 (OTHER)

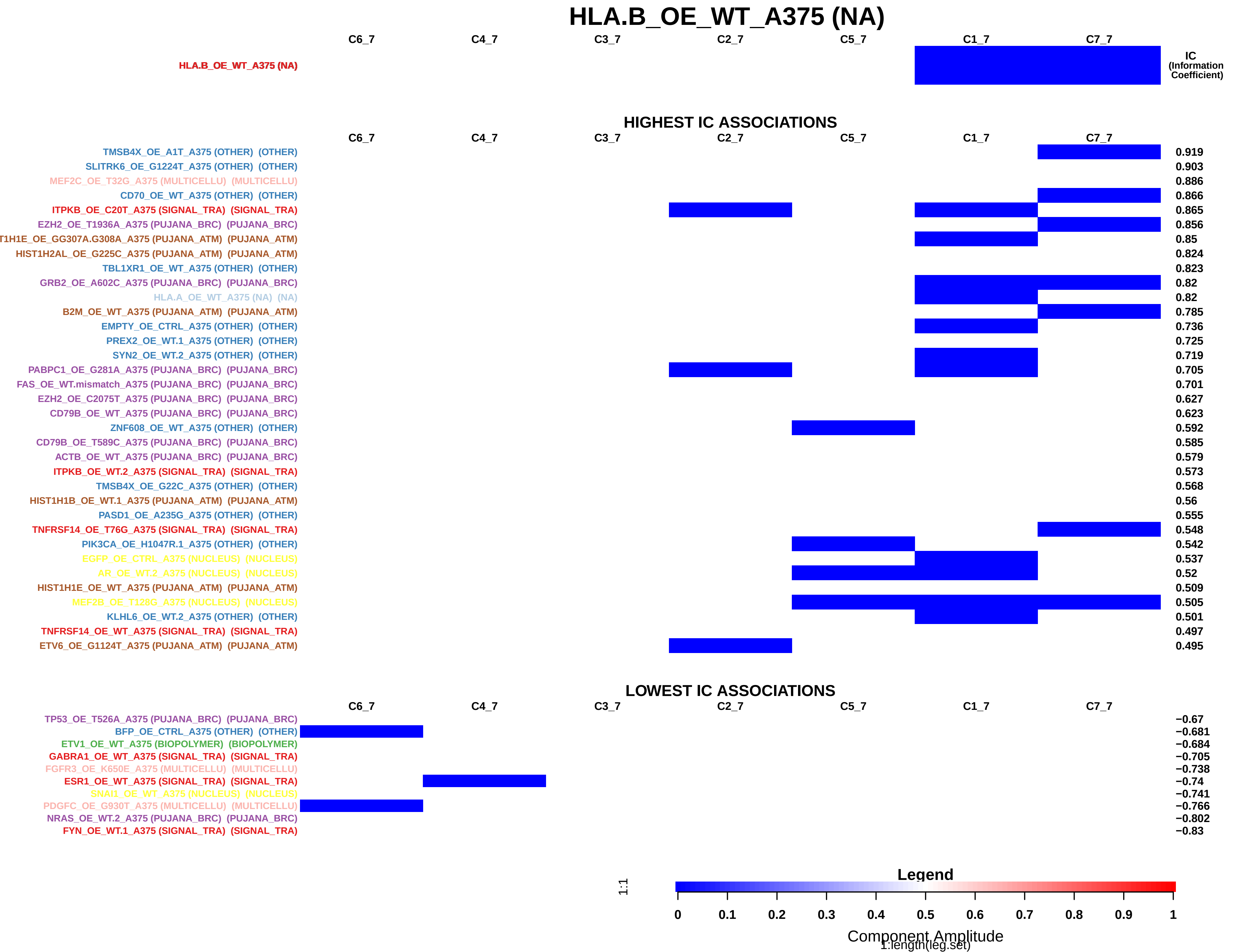


PIM1_OE_WT.2_A375 (BIOPOLYMER)

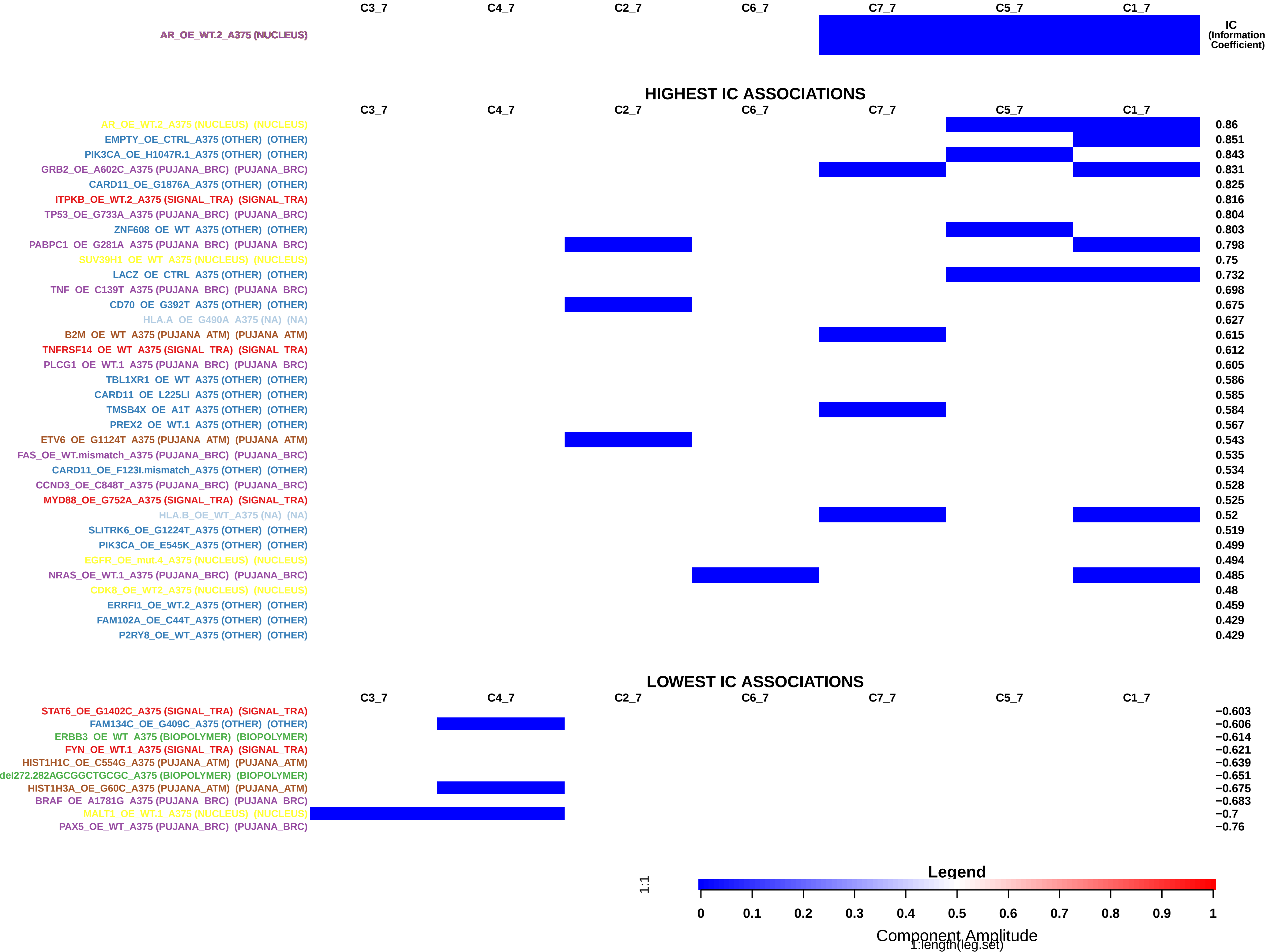


TNFRSF14_OE_C388T_A375 (SIGNAL_TRA)

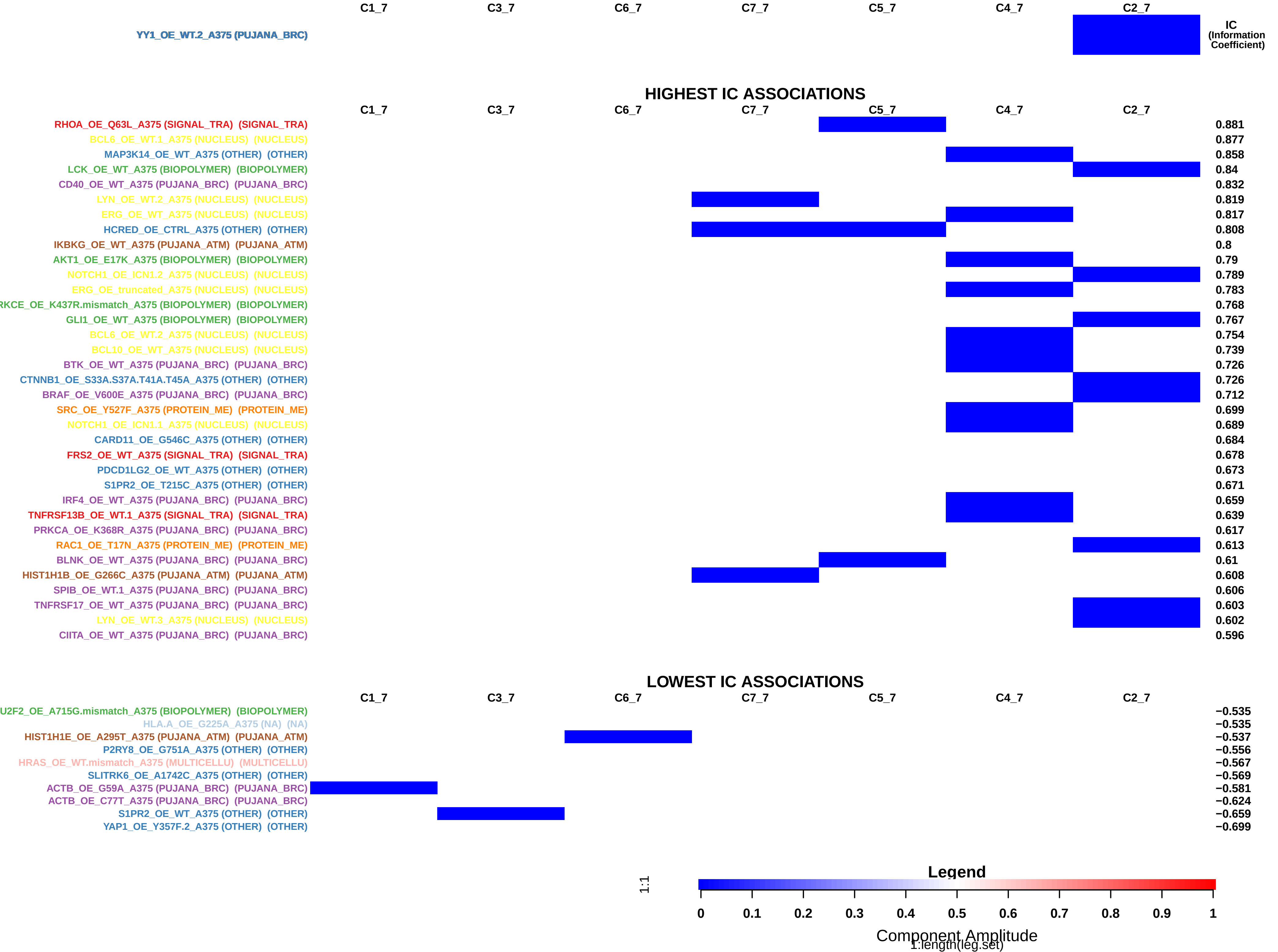



HLA.B_OE_WT_A375 (NA)
C6_7
C4_7
C3_7
C2_7
C5_7
C1_7
C7_7
HLA.B_OE_WT_A375 (NA)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
C6_7
C4_7
C3_7
C2_7
C5_7
C1_7
C7_7
TMSB4X_OE_A1T_A375 (OTHER) (OTHER)
0.919
SLITRK6_OE_G1224T_A375 (OTHER) (OTHER)
0.903
MEF2C_OE_T32G_A375 (MULTICELLU) (MULTICELLU)
0.886
CD70_OE_WT_A375 (OTHER) (OTHER)
0.866
ITPKB_OE_C20T_A375 (SIGNAL_TRA) (SIGNAL_TRA)
0.865
EZH2_OE_T1936A_A375 (PUJANA_BRC) (PUJANA_BRC)
0.856
T1H1E_OE_GG307A.G308A_A375 (PUJANA_ATM) (PUJANA_ATM)
0.85
HIST1H2AL_OE_G225C_A375 (PUJANA_ATM) (PUJANA_ATM)
0.824
TBL1XR1_OE_WT_A375 (OTHER) (OTHER)
0.823
GRB2_OE_A602C_A375 (PUJANA_BRC) (PUJANA_BRC)
0.82
HLA.A_OE_WT_A375 (NA) (NA)
0.82
B2M_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM)
0.785
EMPTY_OE_CTRL_A375 (OTHER) (OTHER)
0.736
PREX2_OE_WT.1_A375 (OTHER) (OTHER)
0.725
SYN2_OE_WT.2_A375 (OTHER) (OTHER)
0.719
PABPC1_OE_G281A_A375 (PUJANA_BRC) (PUJANA_BRC)
0.705
FAS_OE_WT.mismatch_A375 (PUJANA_BRC) (PUJANA_BRC)
0.701
EZH2_OE_C2075T_A375 (PUJANA_BRC) (PUJANA_BRC)
0.627
CD79B_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC)
0.623
ZNF608_OE_WT_A375 (OTHER) (OTHER)
0.592
CD79B_OE_T589C_A375 (PUJANA_BRC) (PUJANA_BRC)
0.585
ACTB_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC)
0.579
ITPKB_OE_WT.2_A375 (SIGNAL_TRA) (SIGNAL_TRA)
0.573
TMSB4X_OE_G22C_A375 (OTHER) (OTHER)
0.568
HIST1H1B_OE_WT.1_A375 (PUJANA_ATM) (PUJANA_ATM)
0.56
PASD1_OE_A235G_A375 (OTHER) (OTHER)
0.555
TNFRSF14_OE_T76G_A375 (SIGNAL_TRA) (SIGNAL_TRA)
0.548
PIK3CA_OE_H1047R.1_A375 (OTHER) (OTHER)
0.542
EGFP_OE_CTRL_A375 (NUCLEUS) (NUCLEUS)
0.537
AR_OE_WT.2_A375 (NUCLEUS) (NUCLEUS)
0.52
HIST1H1E_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM)
0.509
MEF2B_OE_T128G_A375 (NUCLEUS) (NUCLEUS)
0.505
KLHL6_OE_WT.2_A375 (OTHER) (OTHER)
0.501
TNFRSF14_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA)
0.497
ETV6_OE_G1124T_A375 (PUJANA_ATM) (PUJANA_ATM)
0.495
LOWEST IC ASSOCIATIONS
C6_7
C4_7
C3_7
C2_7
C5_7
C1_7
C7_7
TP53_OE_T526A_A375 (PUJANA_BRC) (PUJANA_BRC)
−0.67
BFP_OE_CTRL_A375 (OTHER) (OTHER)
−0.681
ETV1_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER)
−0.684
GABRA1_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA)
−0.705
FGFR3_OE_K650E_A375 (MULTICELLU) (MULTICELLU)
−0.738
ESR1_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA)
−0.74
SNAI1_OE_WT_A375 (NUCLEUS) (NUCLEUS)
−0.741
PDGFC_OE_G930T_A375 (MULTICELLU) (MULTICELLU)
−0.766
NRAS_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC)
−0.802
FYN_OE_WT.1_A375 (SIGNAL_TRA) (SIGNAL_TRA)
−0.83
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

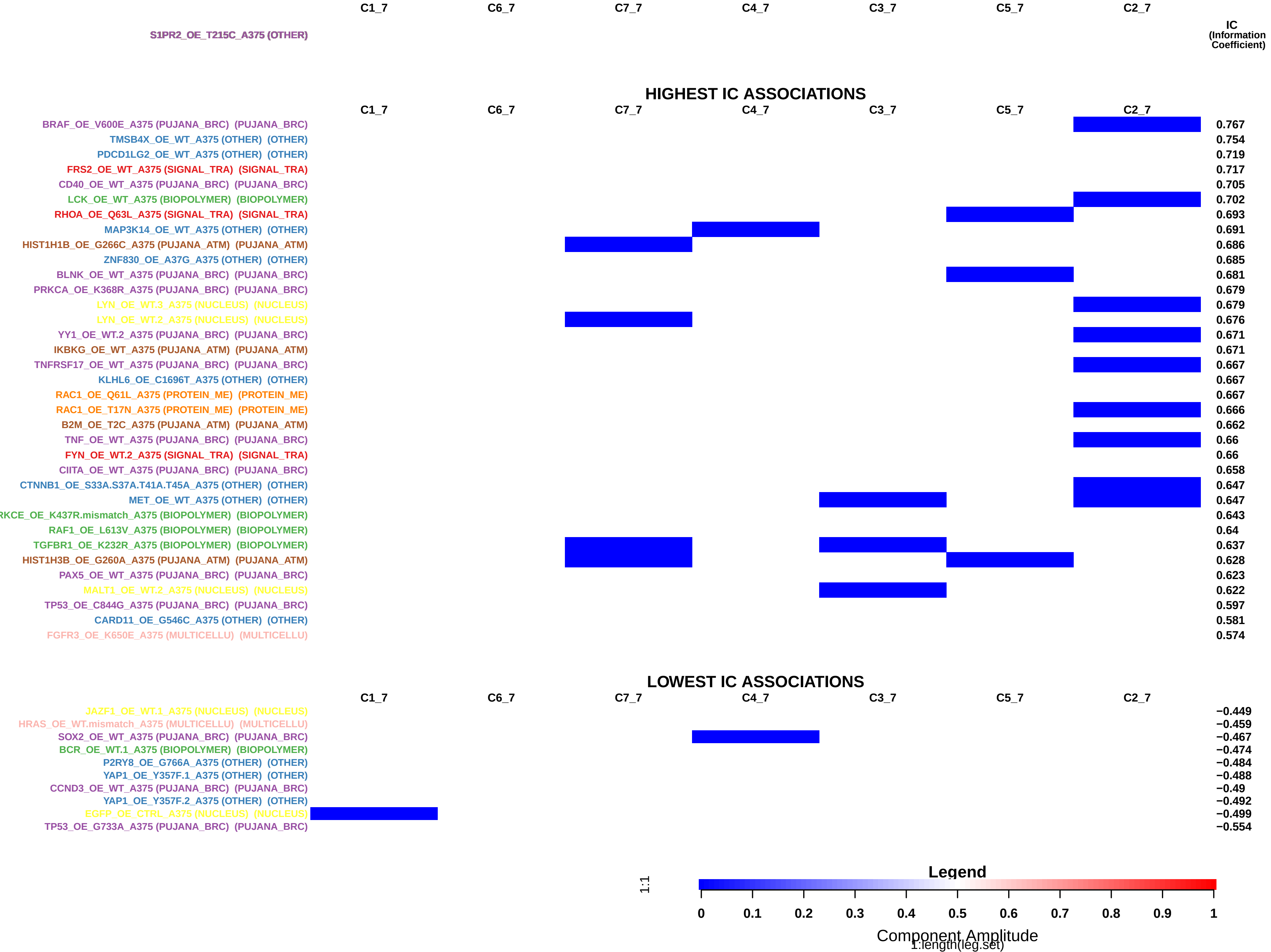
AR_OE_WT.2_A375 (NUCLEUS)



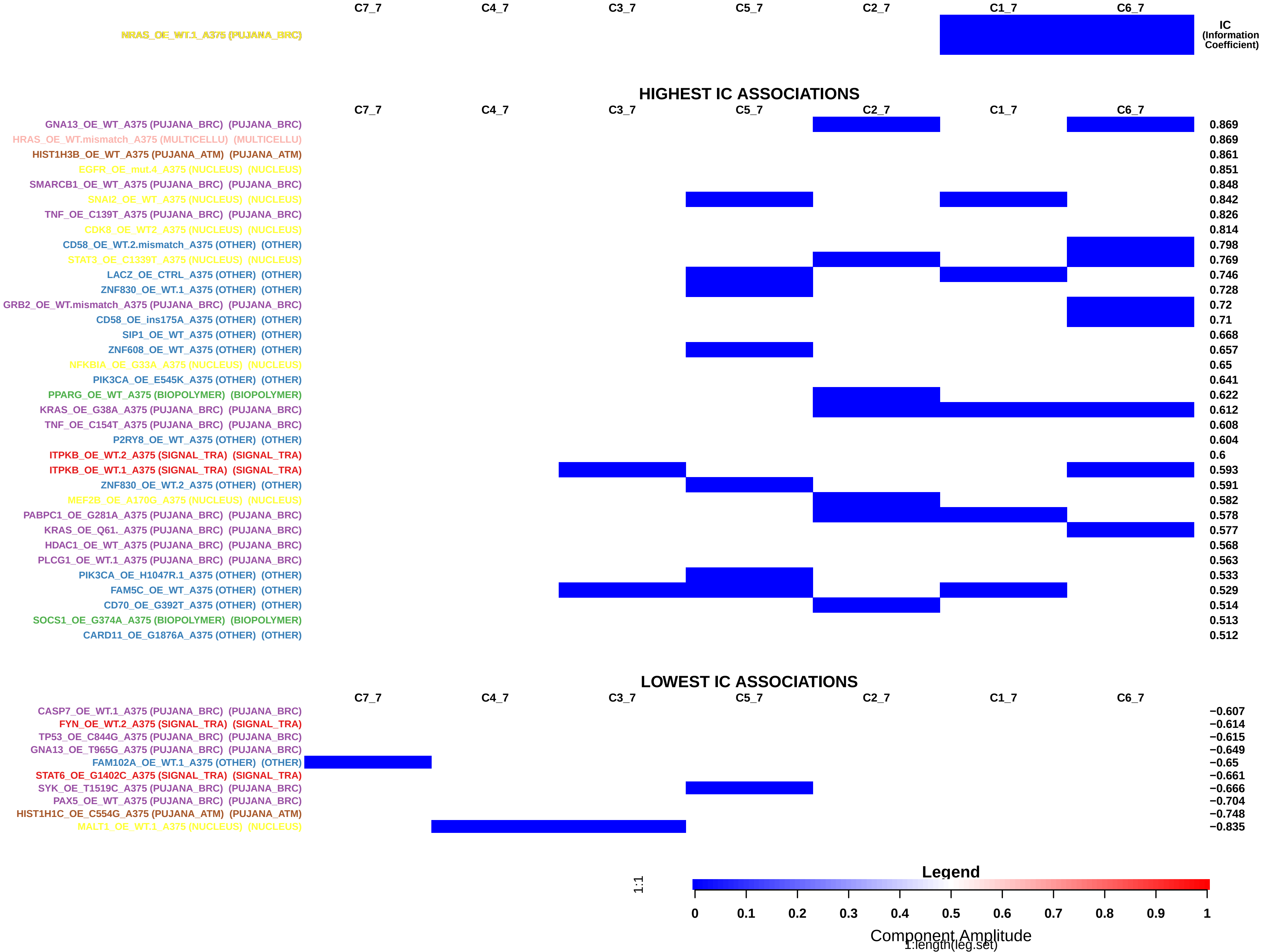
YY1_OE_WT.2_A375 (PUJANA_BRC)

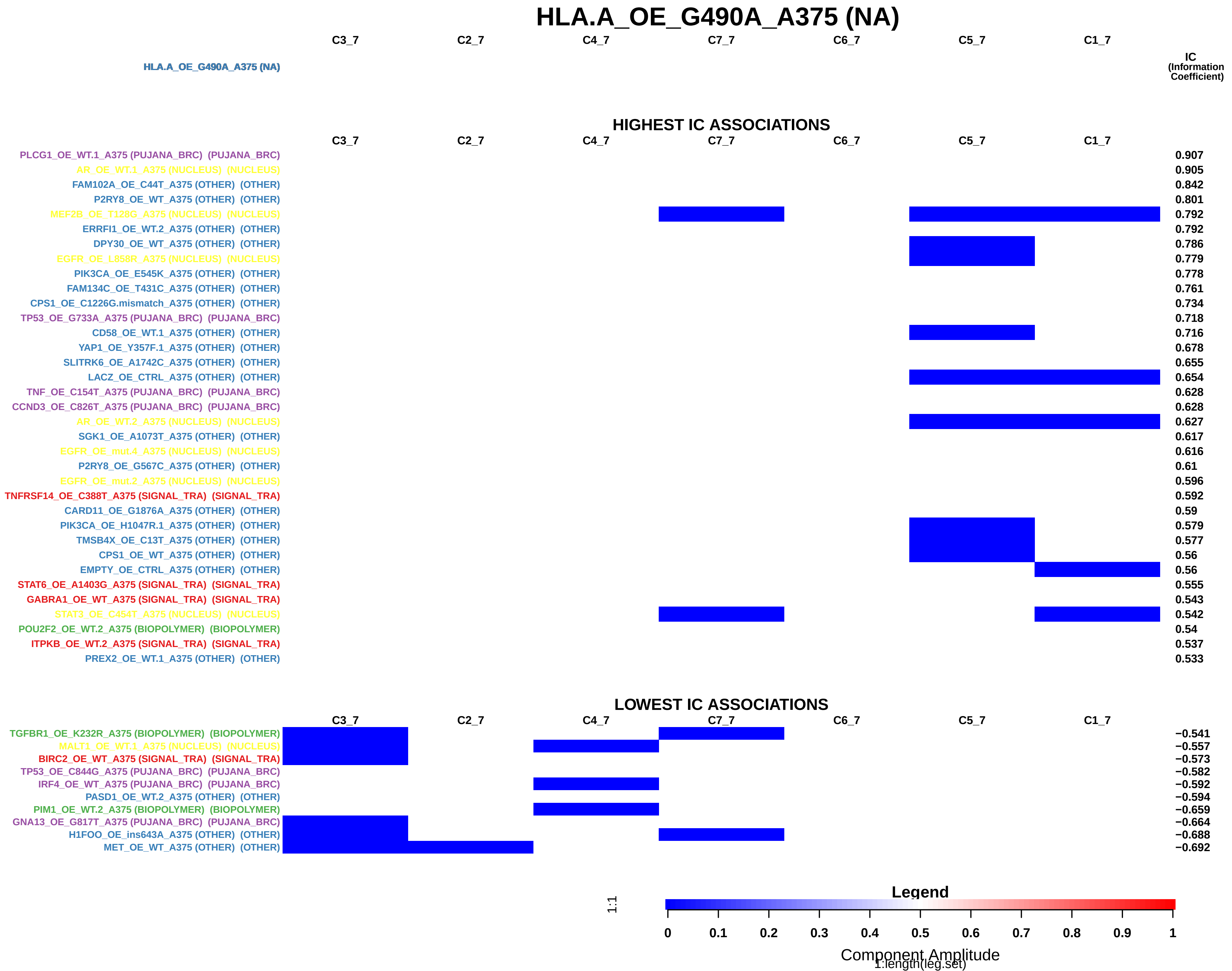


S1PR2_OE_T215C_A375 (OTHER)

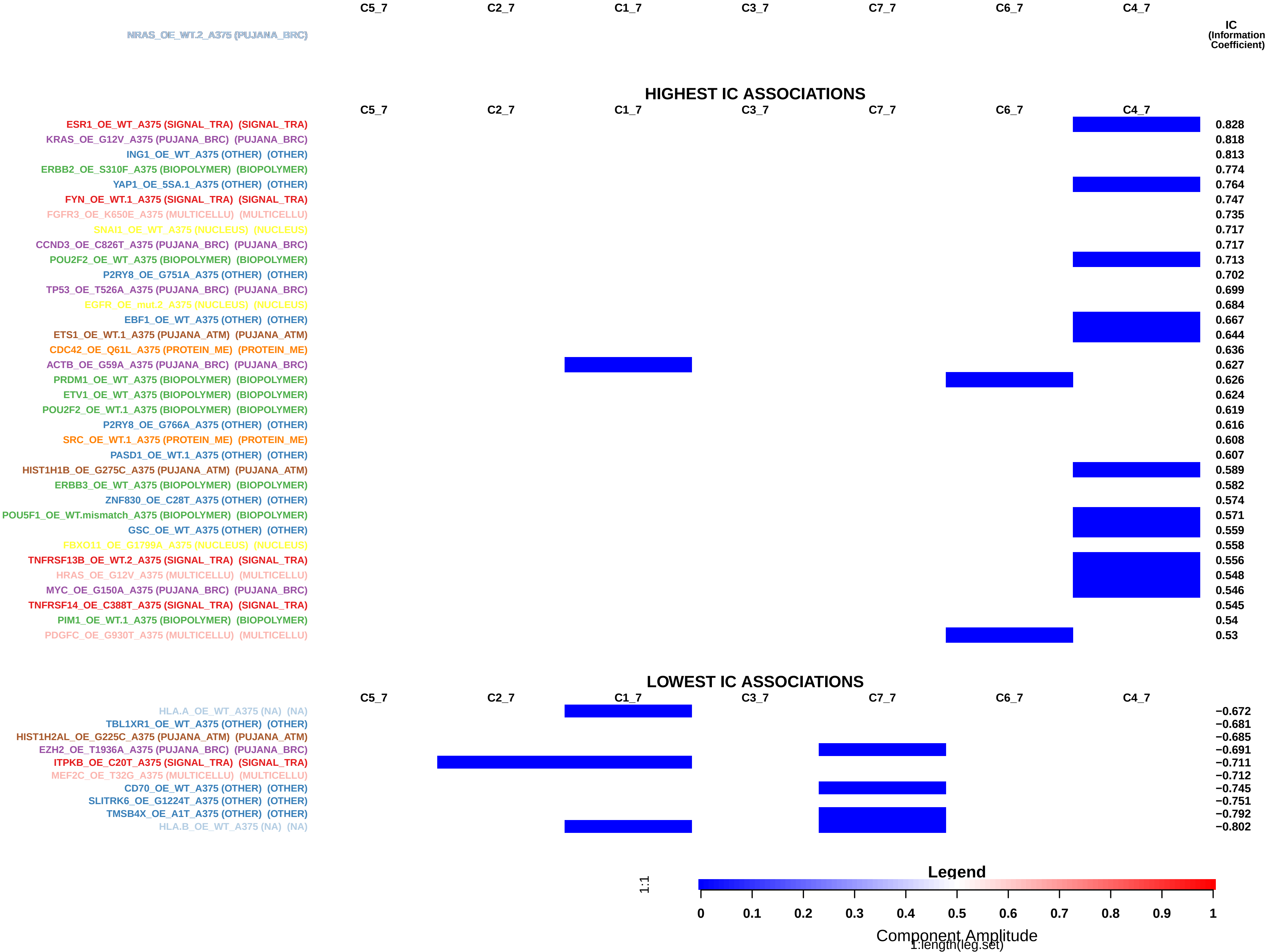


NRAS_OE_WT.1_A375 (PUJANA_BRC)

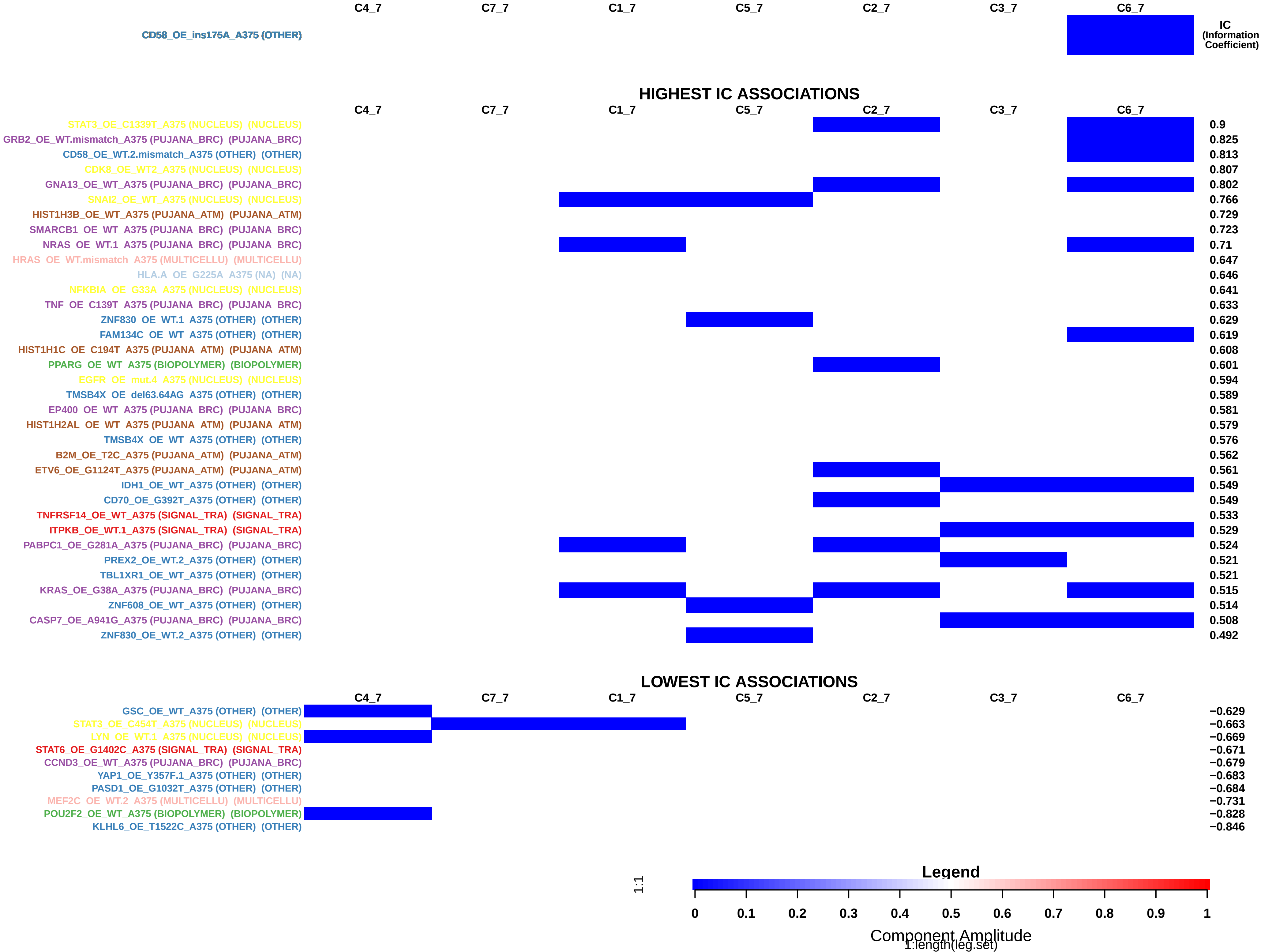



HLA.A_OE_G490A_A375 (NA)
C3_7
C2_7
C4_7
C7_7
C6_7
C5_7
C1_7
HLA.A_OE_G490A_A375 (NA)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
PLCG1_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) 0.907
AR_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.905
FAM102A_OE_C44T_A375 (OTHER) (OTHER) 0.842
P2RY8_OE_WT_A375 (OTHER) (OTHER) 0.801
MEF2B_OE_T128G_A375 (NUCLEUS) (NUCLEUS) 0.792
ERRFI1_OE_WT.2_A375 (OTHER) (OTHER) 0.792
DPY30_OE_WT_A375 (OTHER) (OTHER) 0.786
EGFR_OE_L858R_A375 (NUCLEUS) (NUCLEUS) 0.779
PIK3CA_OE_E545K_A375 (OTHER) (OTHER) 0.778
FAM134C_OE_T431C_A375 (OTHER) (OTHER) 0.761
CPS1_OE_C1226G.mismatch_A375 (OTHER) (OTHER) 0.734
TP53_OE_G733A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.718
CD58_OE_WT.1_A375 (OTHER) (OTHER) 0.716
YAP1_OE_Y357F.1_A375 (OTHER) (OTHER) 0.678
SLITRK6_OE_A1742C_A375 (OTHER) (OTHER) 0.655
LACZ_OE_CTRL_A375 (OTHER) (OTHER) 0.654
TNF_OE_C154T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.628
CCND3_OE_C826T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.628
AR_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.627
SGK1_OE_A1073T_A375 (OTHER) (OTHER) 0.617
EGFR_OE_mut.4_A375 (NUCLEUS) (NUCLEUS) 0.616
P2RY8_OE_G567C_A375 (OTHER) (OTHER) 0.61
EGFR_OE_mut.2_A375 (NUCLEUS) (NUCLEUS) 0.596
TNFRSF14_OE_C388T_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.592
CARD11_OE_G1876A_A375 (OTHER) (OTHER) 0.59
PIK3CA_OE_H1047R.1_A375 (OTHER) (OTHER) 0.579
TMSB4X_OE_C13T_A375 (OTHER) (OTHER) 0.577
CPS1_OE_WT_A375 (OTHER) (OTHER) 0.56
EMPTY_OE_CTRL_A375 (OTHER) (OTHER) 0.56
STAT6_OE_A1403G_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.555
GABRA1_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.543
STAT3_OE_C454T_A375 (NUCLEUS) (NUCLEUS) 0.542
POU2F2_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.54
ITPKB_OE_WT.2_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.537
PREX2_OE_WT.1_A375 (OTHER) (OTHER) 0.533
LOWEST IC ASSOCIATIONS
TGFBR1_OE_K232R_A375 (BIOPOLYMER) (BIOPOLYMER) −0.541
MALT1_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) −0.557
BIRC2_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.573
TP53_OE_C844G_A375 (PUJANA_BRC) (PUJANA_BRC) −0.582
IRF4_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) −0.592
PASD1_OE_WT.2_A375 (OTHER) (OTHER) −0.594
PIM1_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) −0.659
GNA13_OE_G817T_A375 (PUJANA_BRC) (PUJANA_BRC) −0.664
H1FOO_OE_ins643A_A375 (OTHER) (OTHER) −0.688
MET_OE_WT_A375 (OTHER) (OTHER) −0.692
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

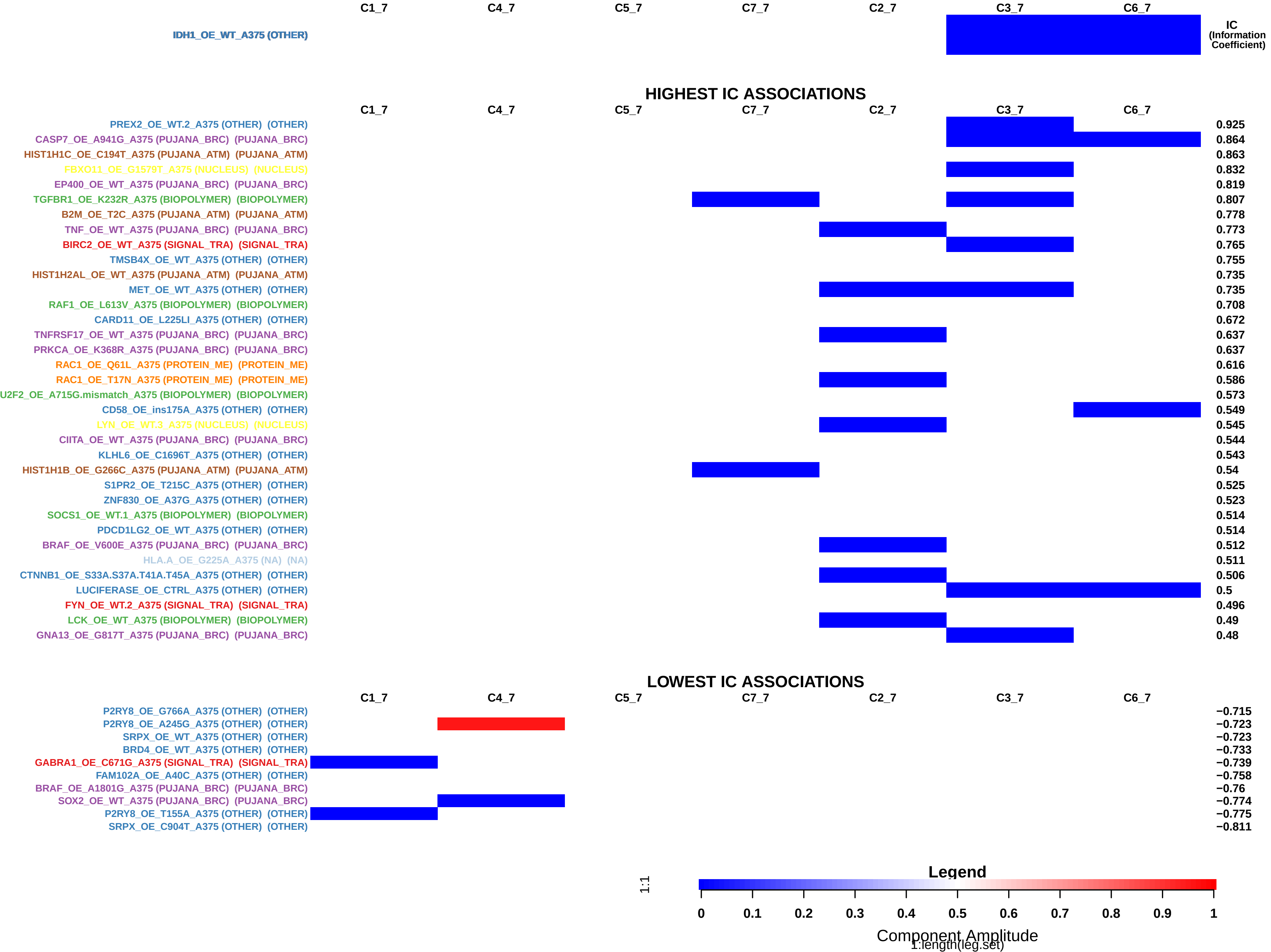
NRAS_OE_WT.2_A375 (PUJANA_BRC)



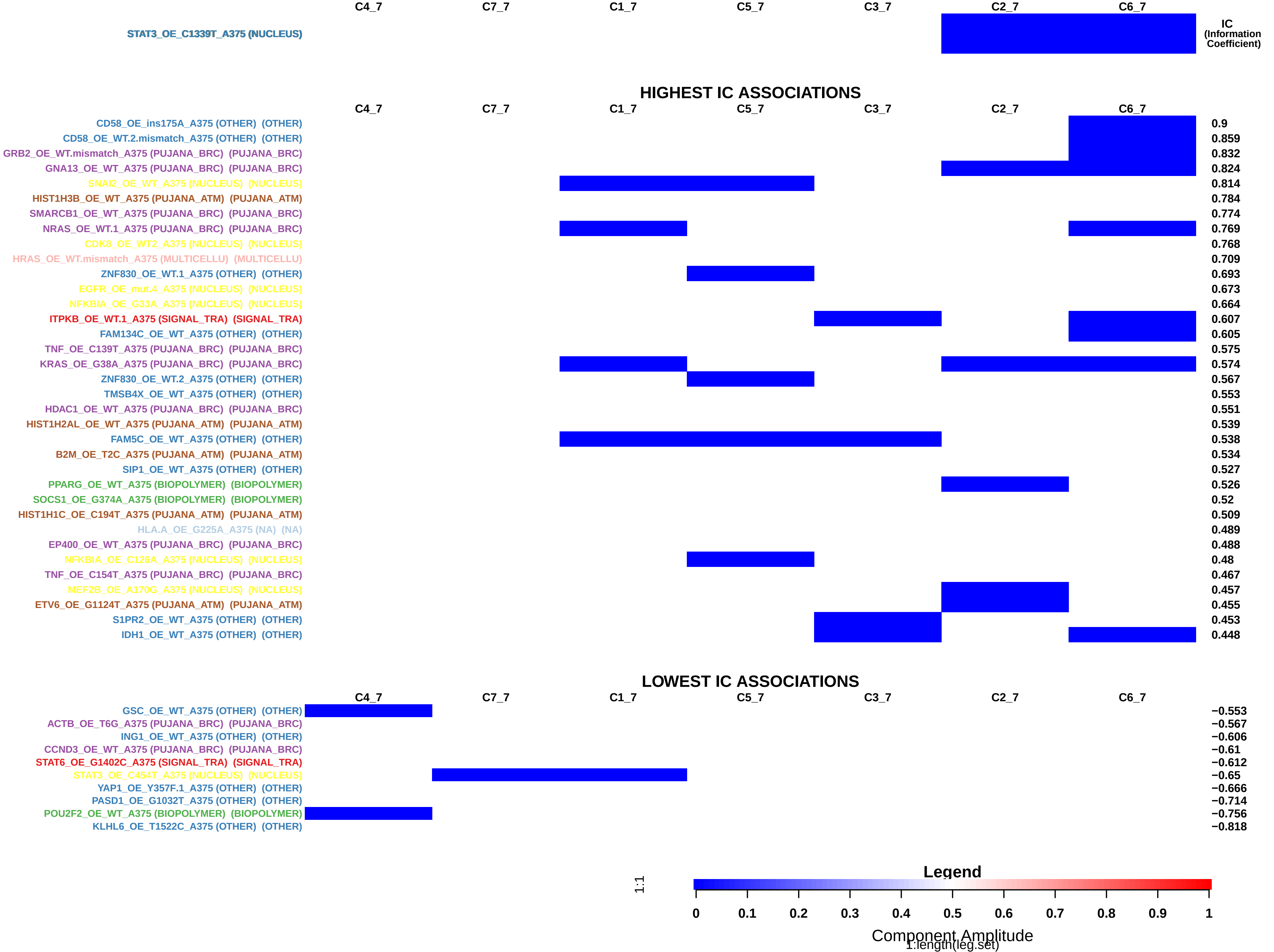
CD58_OE_ins175A_A375 (OTHER)



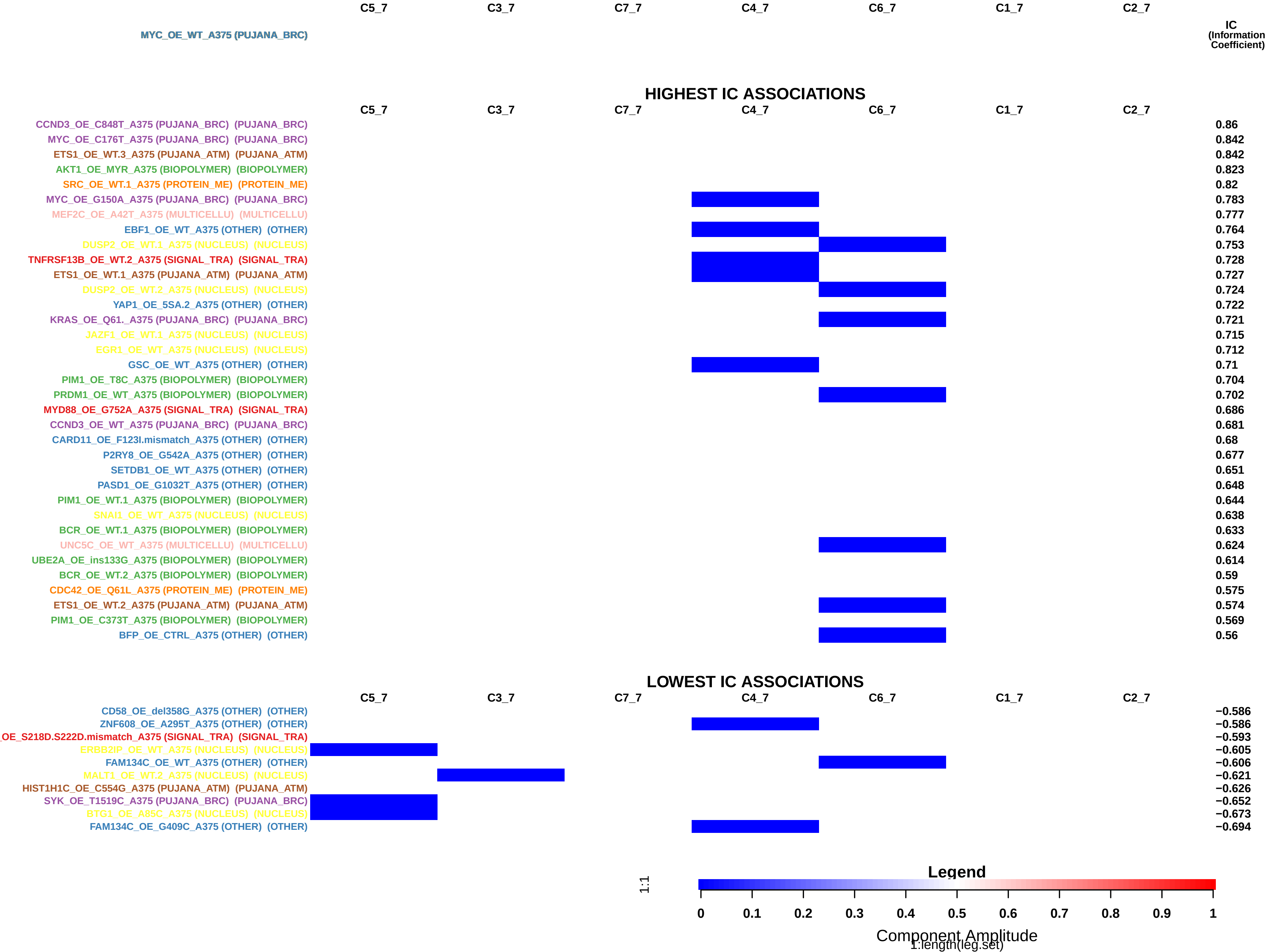
IDH1_OE_WT_A375 (OTHER)

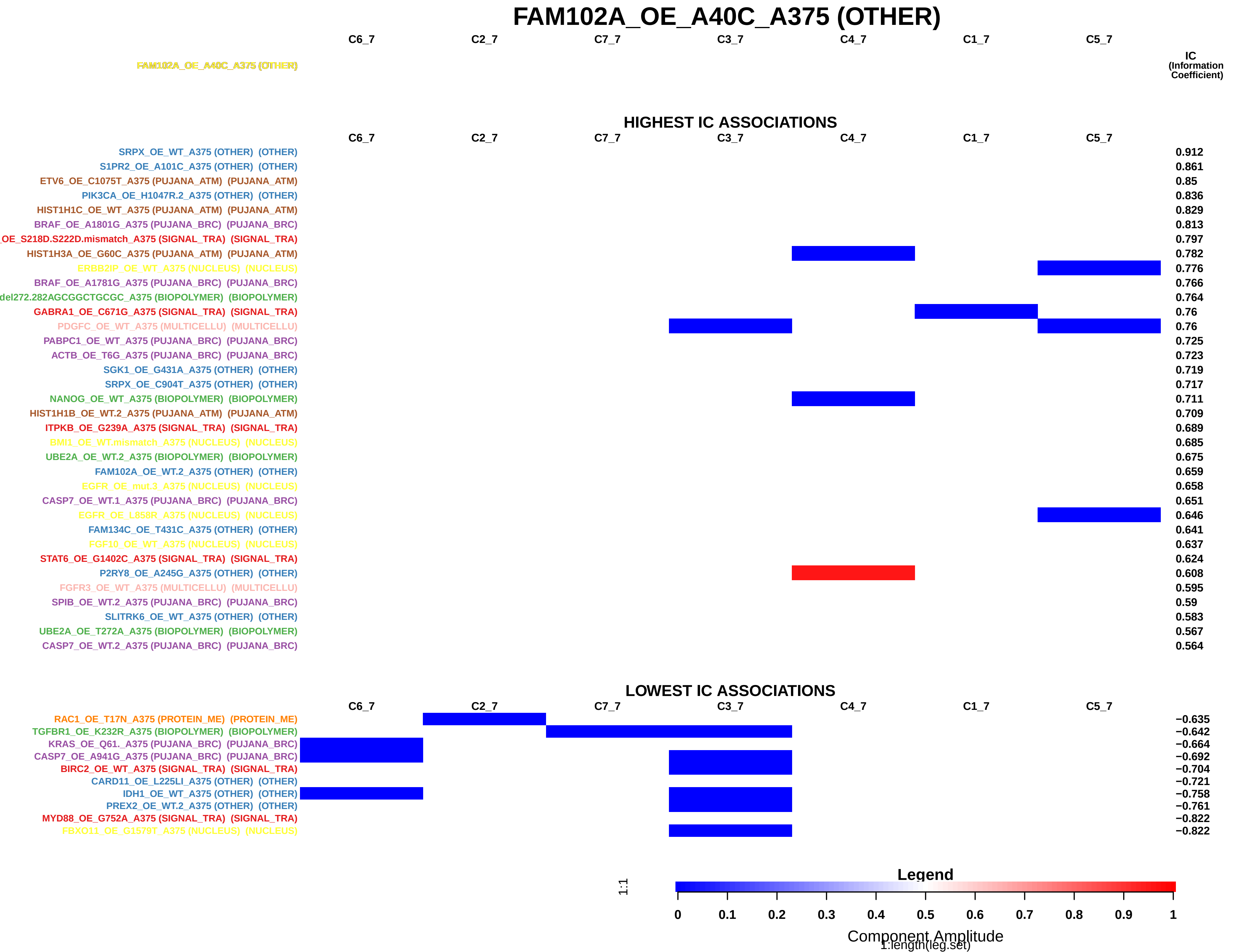


STAT3_OE_C1339T_A375 (NUCLEUS)

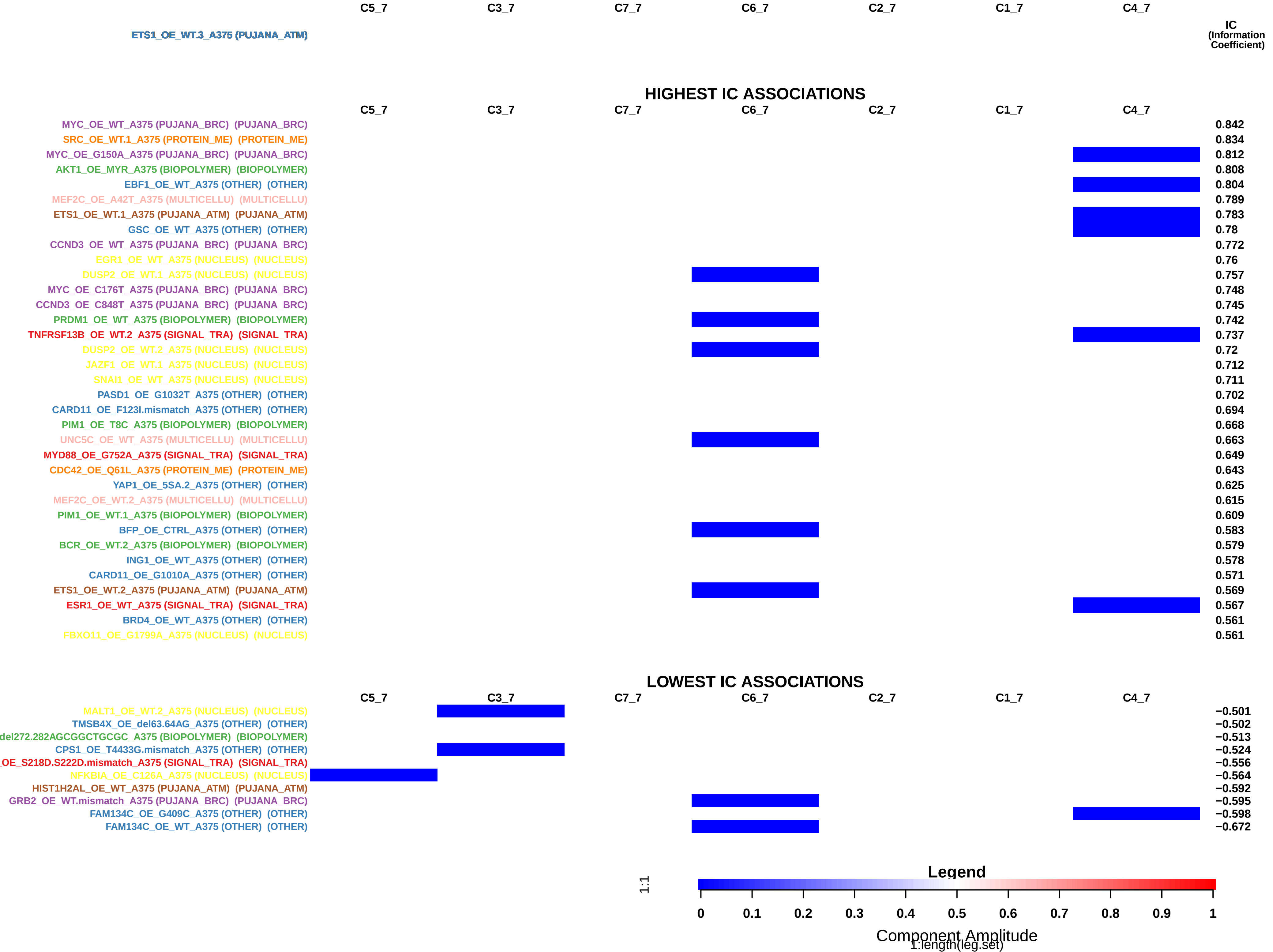


MYC_OE_WT_A375 (PUJANA_BRC)

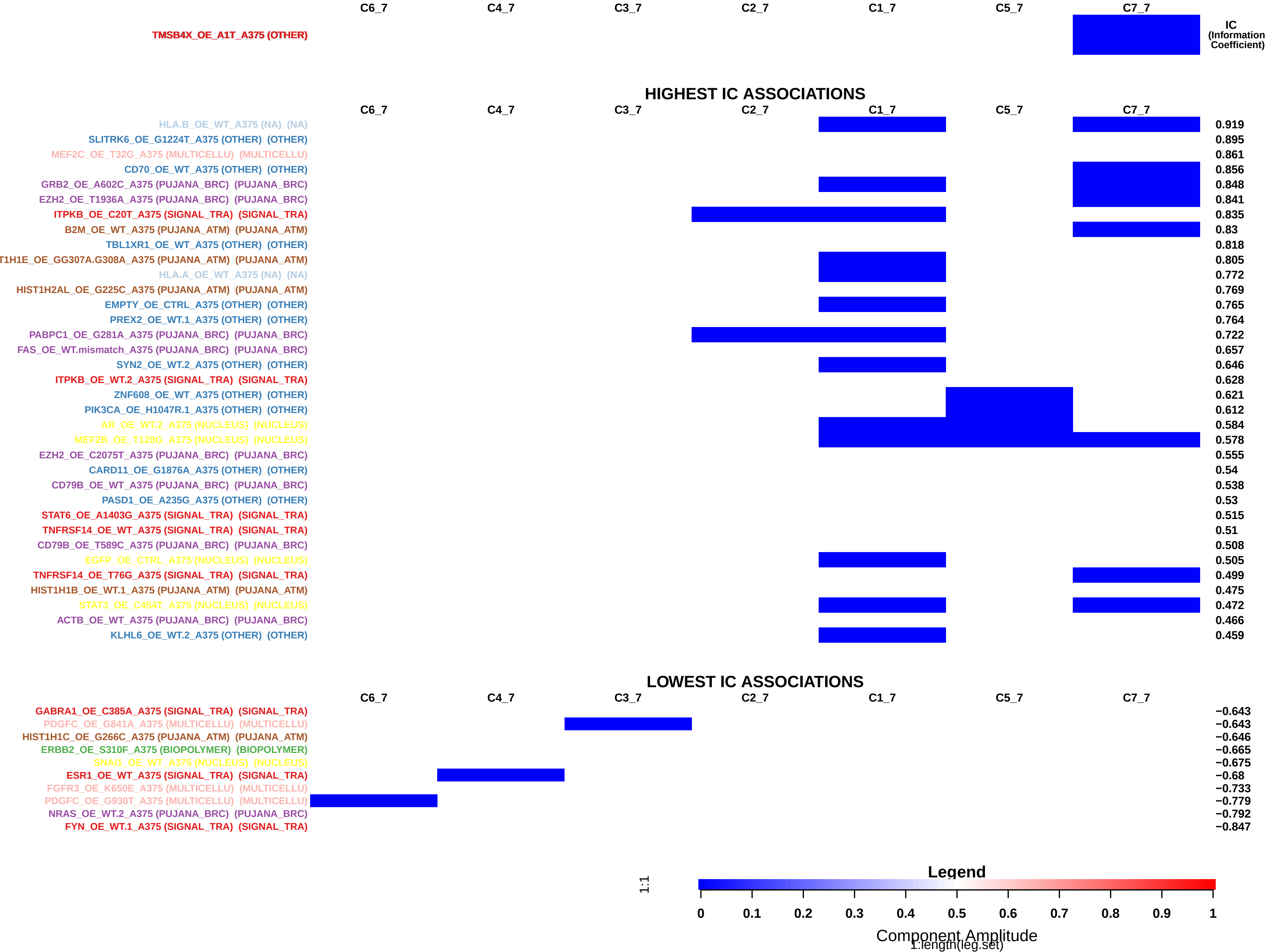


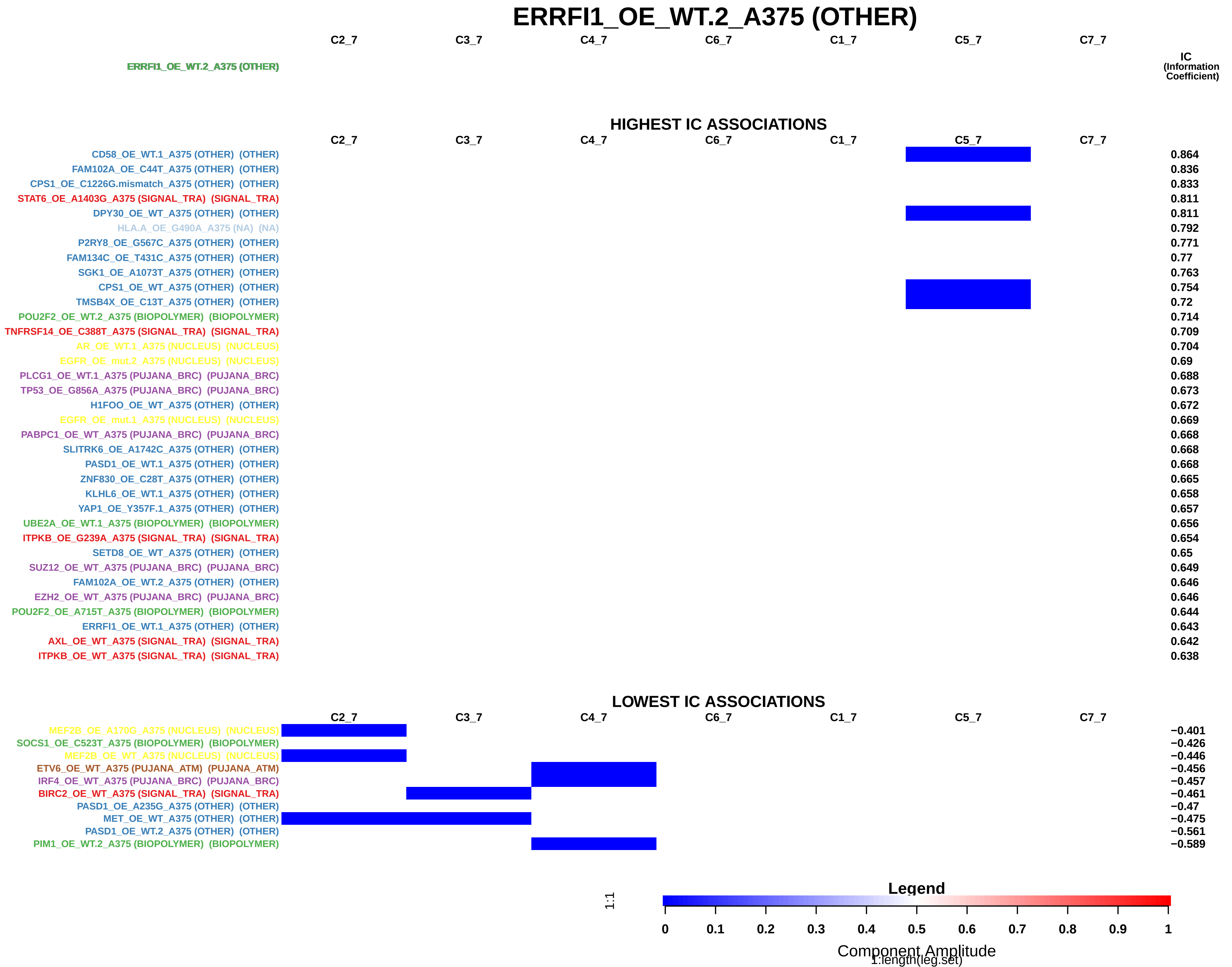

FAM102A_OE_A40C_A375 (OTHER)
C6_7
C2_7
C7_7
C3_7
C4_7
C1_7
C5_7
FAM102A_OE_A40C_A375 (OTHER)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
SRPX_OE_WT_A375 (OTHER) (OTHER) 0.912
S1PR2_OE_A101C_A375 (OTHER) (OTHER) 0.861
ETV6_OE_C1075T_A375 (PUJANA_ATM) (PUJANA_ATM) 0.85
PIK3CA_OE_H1047R.2_A375 (OTHER) (OTHER) 0.836
HIST1H1C_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.829
BRAF_OE_A1801G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.813
OE_S218D.S222D.mismatch_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.797
HIST1H3A_OE_G60C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.782
ERBB2IP_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.776
BRAF_OE_A1781G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.766
del272.282AGCGGCTGCGC_A375 (BIOPOLYMER) (BIOPOLYMER) 0.764
GABRA1_OE_C671G_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.76
PDGFC_OE_WT_A375 (MULTICELLU) (MULTICELLU) 0.76
PABPC1_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.725
ACTB_OE_T6G_A375 (PUJANA_BRC) (PUJANA_BRC) 0.723
SGK1_OE_G431A_A375 (OTHER) (OTHER) 0.719
SRPX_OE_C904T_A375 (OTHER) (OTHER) 0.717
NANOG_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.711
HIST1H1B_OE_WT.2_A375 (PUJANA_ATM) (PUJANA_ATM) 0.709
ITPKB_OE_G239A_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.689
BMI1_OE_WT.mismatch_A375 (NUCLEUS) (NUCLEUS) 0.685
UBE2A_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.675
FAM102A_OE_WT.2_A375 (OTHER) (OTHER) 0.659
EGFR_OE_mut.3_A375 (NUCLEUS) (NUCLEUS) 0.658
CASP7_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) 0.651
EGFR_OE_L858R_A375 (NUCLEUS) (NUCLEUS) 0.646
FAM134C_OE_T431C_A375 (OTHER) (OTHER) 0.641
FGF10_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.637
STAT6_OE_G1402C_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.624
P2RY8_OE_A245G_A375 (OTHER) (OTHER) 0.608
FGFR3_OE_WT_A375 (MULTICELLU) (MULTICELLU) 0.595
SPIB_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.59
SLITRK6_OE_WT_A375 (OTHER) (OTHER) 0.583
UBE2A_OE_T272A_A375 (BIOPOLYMER) (BIOPOLYMER) 0.567
CASP7_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.564
LOWEST IC ASSOCIATIONS
RAC1_OE_T17N_A375 (PROTEIN_ME) (PROTEIN_ME) −0.635
TGFBR1_OE_K232R_A375 (BIOPOLYMER) (BIOPOLYMER) −0.642
KRAS_OE_Q61._A375 (PUJANA_BRC) (PUJANA_BRC) −0.664
CASP7_OE_A941G_A375 (PUJANA_BRC) (PUJANA_BRC) −0.692
BIRC2_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.704
CARD11_OE_L225LI_A375 (OTHER) (OTHER) −0.721
IDH1_OE_WT_A375 (OTHER) (OTHER) −0.758
PREX2_OE_WT.2_A375 (OTHER) (OTHER) −0.761
MYD88_OE_G752A_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.822
FBXO11_OE_G1579T_A375 (NUCLEUS) (NUCLEUS) −0.822
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

ETS1_OE_WT.3_A375 (PUJANA_ATM)

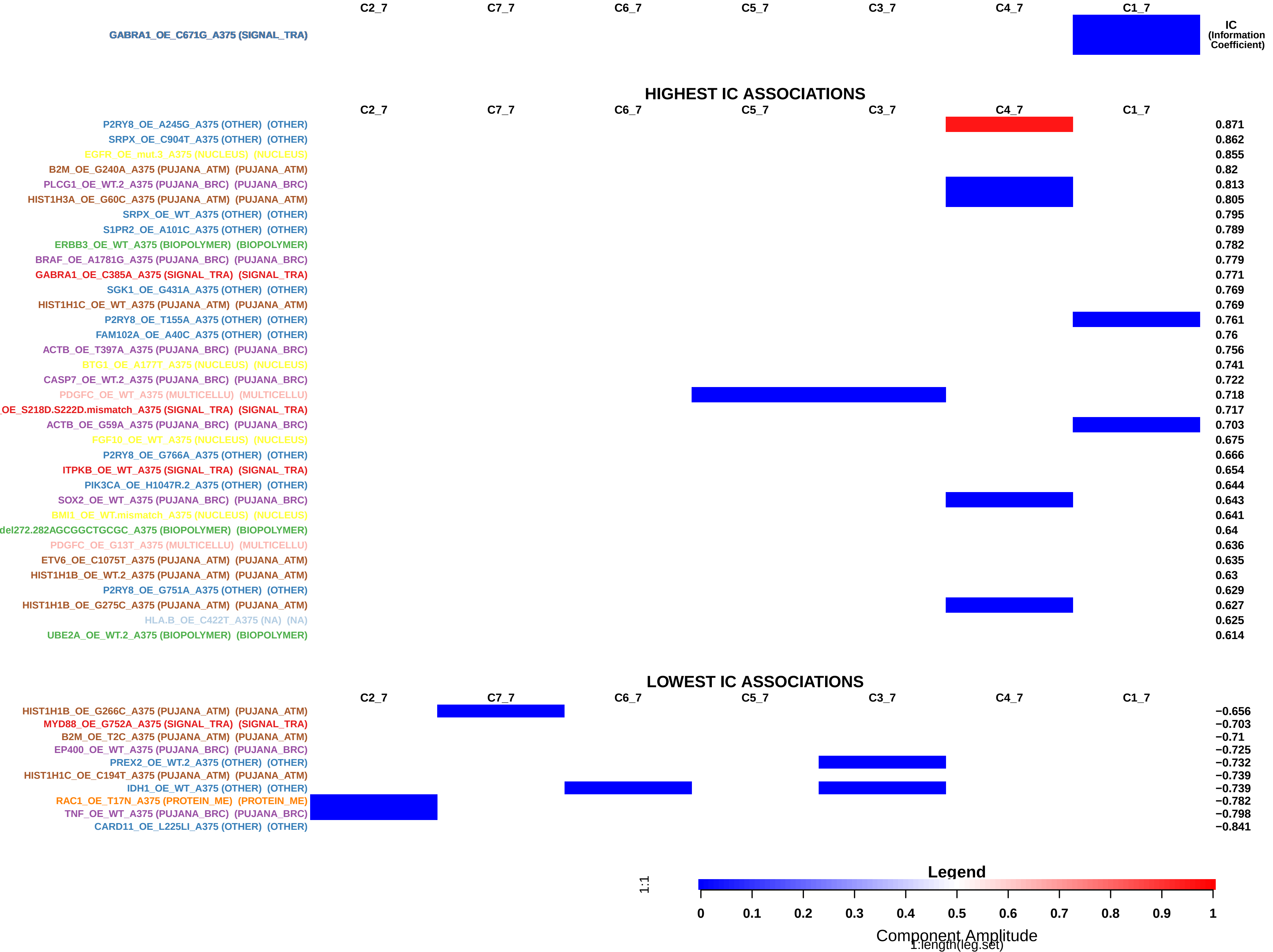


TMSB4X_OE_A1T_A375 (OTHER)

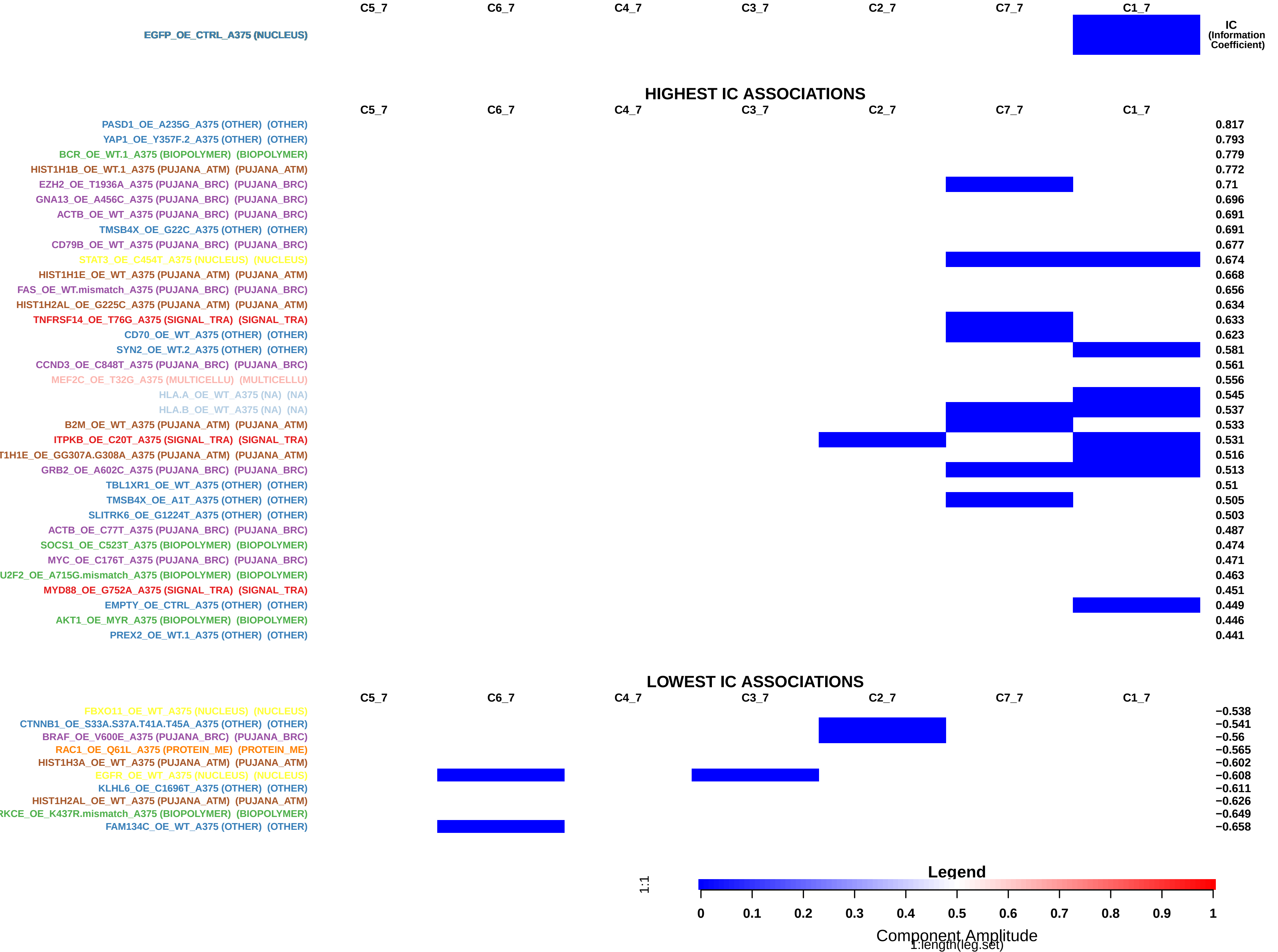



ERRFI1_OE_WT.2_A375 (OTHER)
C2_7
C3_7
C4_7
C6_7
C1_7
C5_7
C7_7
ERRFI1_OE_WT.2_A375 (OTHER)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
C2_7
C3_7
C4_7
C6_7
C1_7
C5_7
C7_7
CD58_OE_WT.1_A375 (OTHER) (OTHER) 0.864
FAM102A_OE_C44T_A375 (OTHER) (OTHER) 0.836
CPS1_OE_C1226G.mismatch_A375 (OTHER) (OTHER) 0.833
STAT6_OE_A1403G_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.811
DPY30_OE_WT_A375 (OTHER) (OTHER) 0.811
HLA.A_OE_G490A_A375 (NA) (NA) 0.792
P2RY8_OE_G567C_A375 (OTHER) (OTHER) 0.771
FAM134C_OE_T431C_A375 (OTHER) (OTHER) 0.77
SGK1_OE_A1073T_A375 (OTHER) (OTHER) 0.763
CPS1_OE_WT_A375 (OTHER) (OTHER) 0.754
TMSB4X_OE_C13T_A375 (OTHER) (OTHER) 0.72
POU2F2_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.714
TNFRSF14_OE_C388T_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.709
AR_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.704
EGFR_OE_mut.2_A375 (NUCLEUS) (NUCLEUS) 0.69
PLCG1_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) 0.688
TP53_OE_G856A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.673
H1FOO_OE_WT_A375 (OTHER) (OTHER) 0.672
EGFR_OE_mut.1_A375 (NUCLEUS) (NUCLEUS) 0.669
PABPC1_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.668
SLITRK6_OE_A1742C_A375 (OTHER) (OTHER) 0.668
PASD1_OE_WT.1_A375 (OTHER) (OTHER) 0.668
ZNF830_OE_C28T_A375 (OTHER) (OTHER) 0.665
KLHL6_OE_WT.1_A375 (OTHER) (OTHER) 0.658
YAP1_OE_Y357F.1_A375 (OTHER) (OTHER) 0.657
UBE2A_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) 0.656
ITPKB_OE_G239A_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.654
SETD8_OE_WT_A375 (OTHER) (OTHER) 0.65
SUZ12_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.649
FAM102A_OE_WT.2_A375 (OTHER) (OTHER) 0.646
EZH2_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.646
POU2F2_OE_A715T_A375 (BIOPOLYMER) (BIOPOLYMER) 0.644
ERRFI1_OE_WT.1_A375 (OTHER) (OTHER) 0.643
AXL_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.642
ITPKB_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.638
LOWEST IC ASSOCIATIONS
C2_7
C3_7
C4_7
C6_7
C1_7
C5_7
C7_7
MEF2B_OE_A170G_A375 (NUCLEUS) (NUCLEUS) −0.401
SOCS1_OE_C523T_A375 (BIOPOLYMER) (BIOPOLYMER) −0.426
MEF2B_OE_WT_A375 (NUCLEUS) (NUCLEUS) −0.446
ETV6_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) −0.456
IRF4_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) −0.457
BIRC2_OE_WT_A375 (SIGNAL_TRA) (SIGNAL_TRA) −0.461
PASD1_OE_A235G_A375 (OTHER) (OTHER) −0.47
MET_OE_WT_A375 (OTHER) (OTHER) −0.475
PASD1_OE_WT.2_A375 (OTHER) (OTHER) −0.561
PIM1_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) −0.589
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

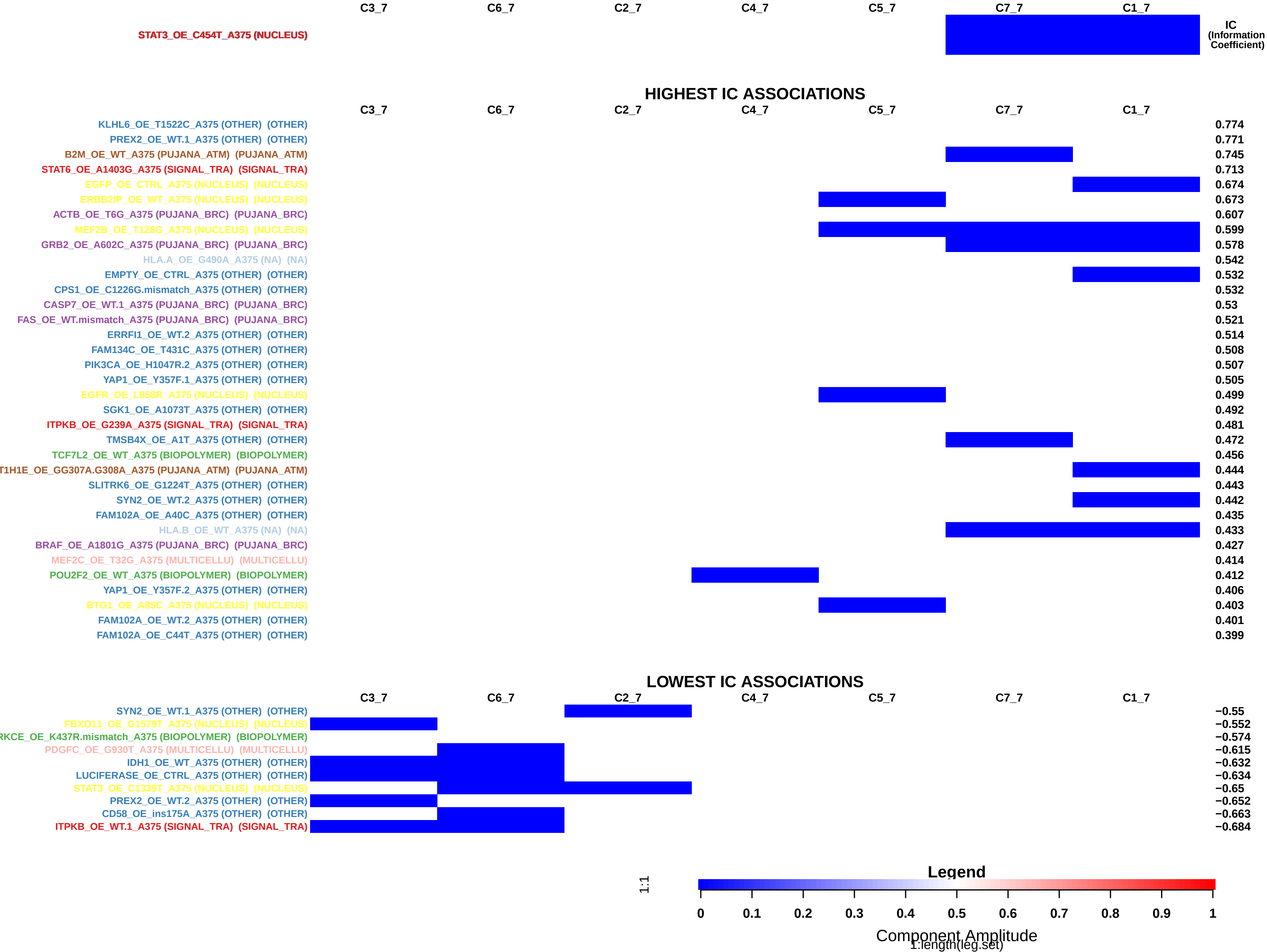
GABRA1_OE_C671G_A375 (SIGNAL_TRA)



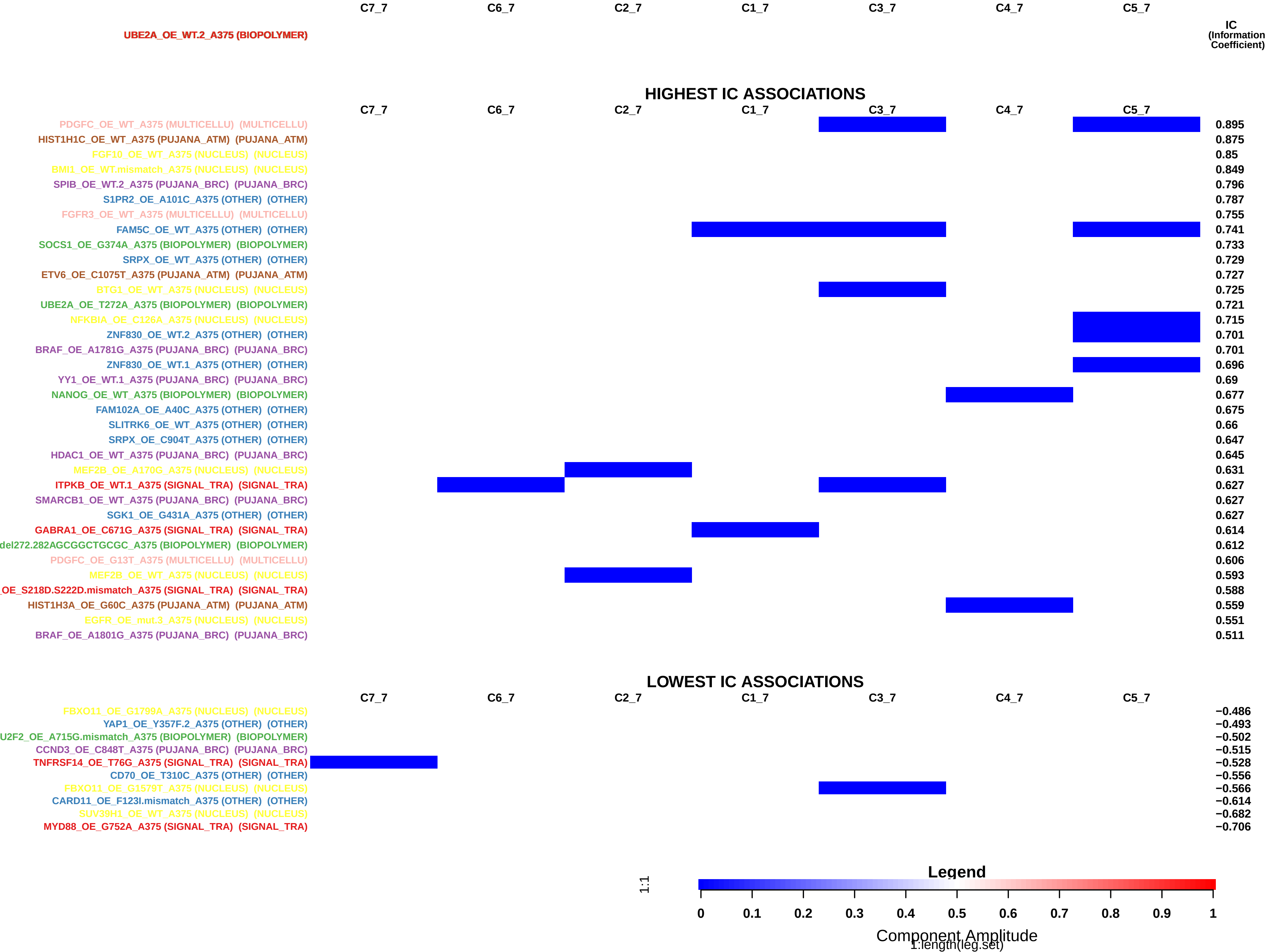
EGFP_OE_CTRL_A375 (NUCLEUS)



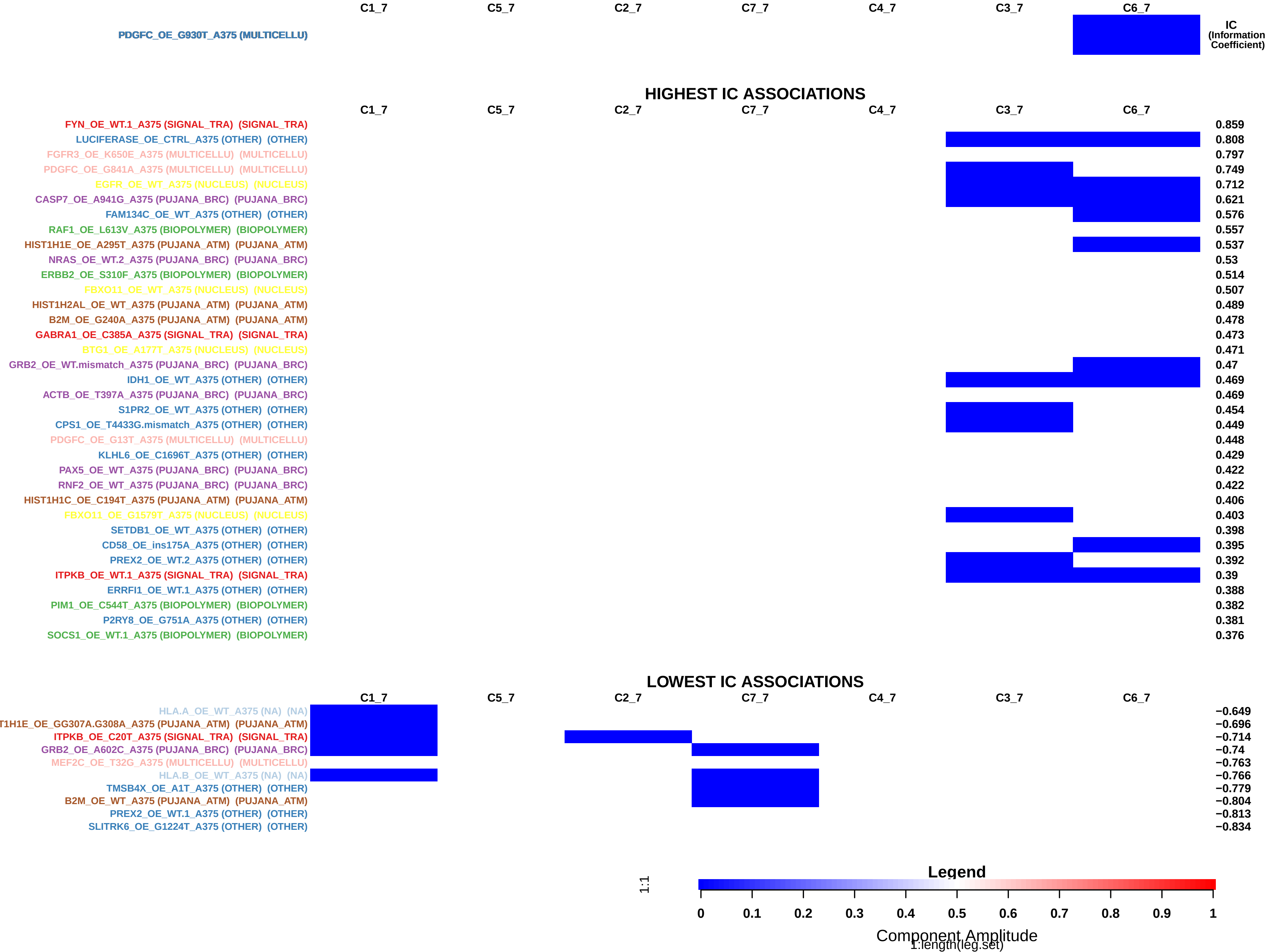
STAT3_OE_C454T_A375 (NUCLEUS)



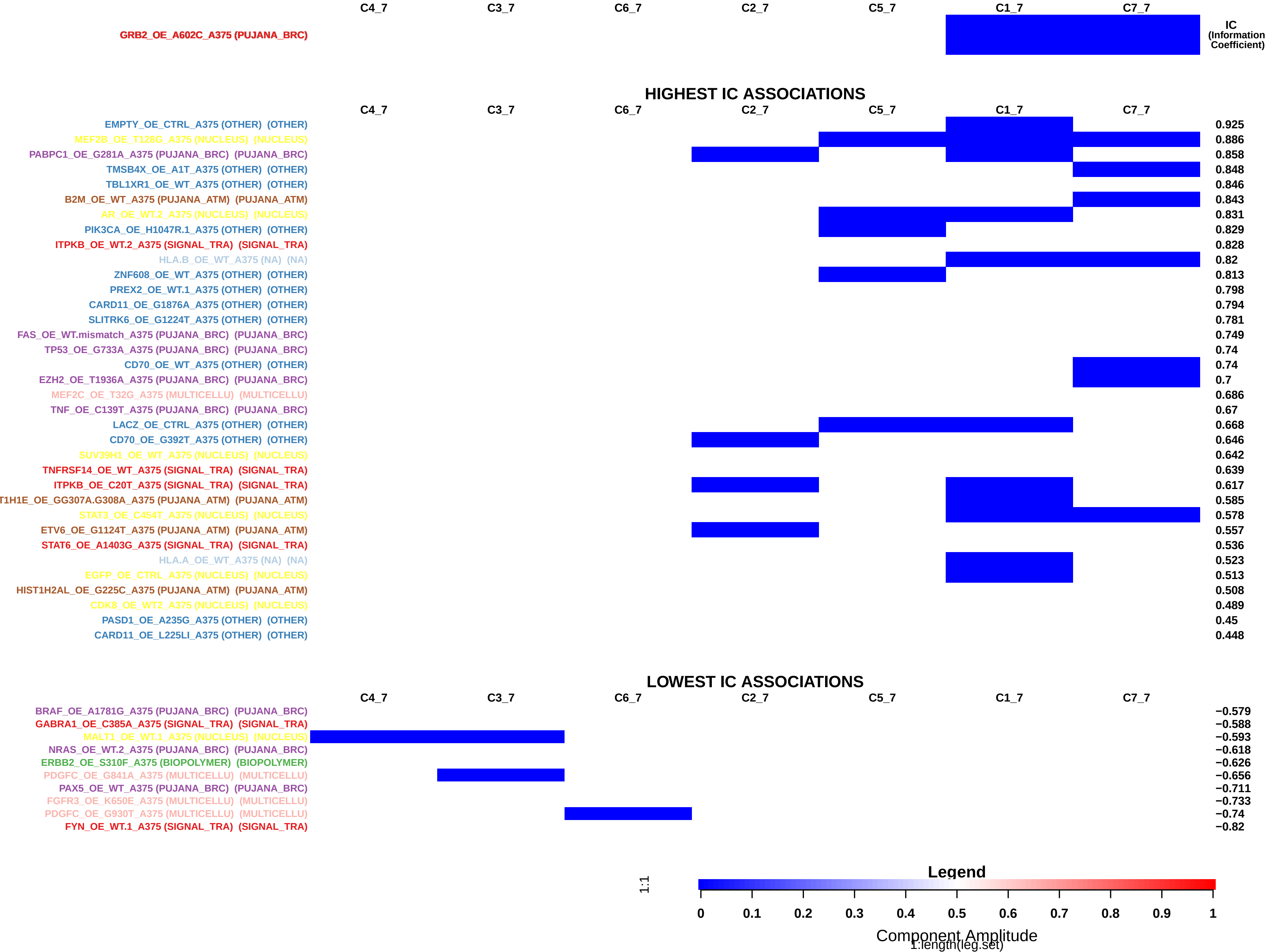
UBE2A_OE_WT.2_A375 (BIOPOLYMER)

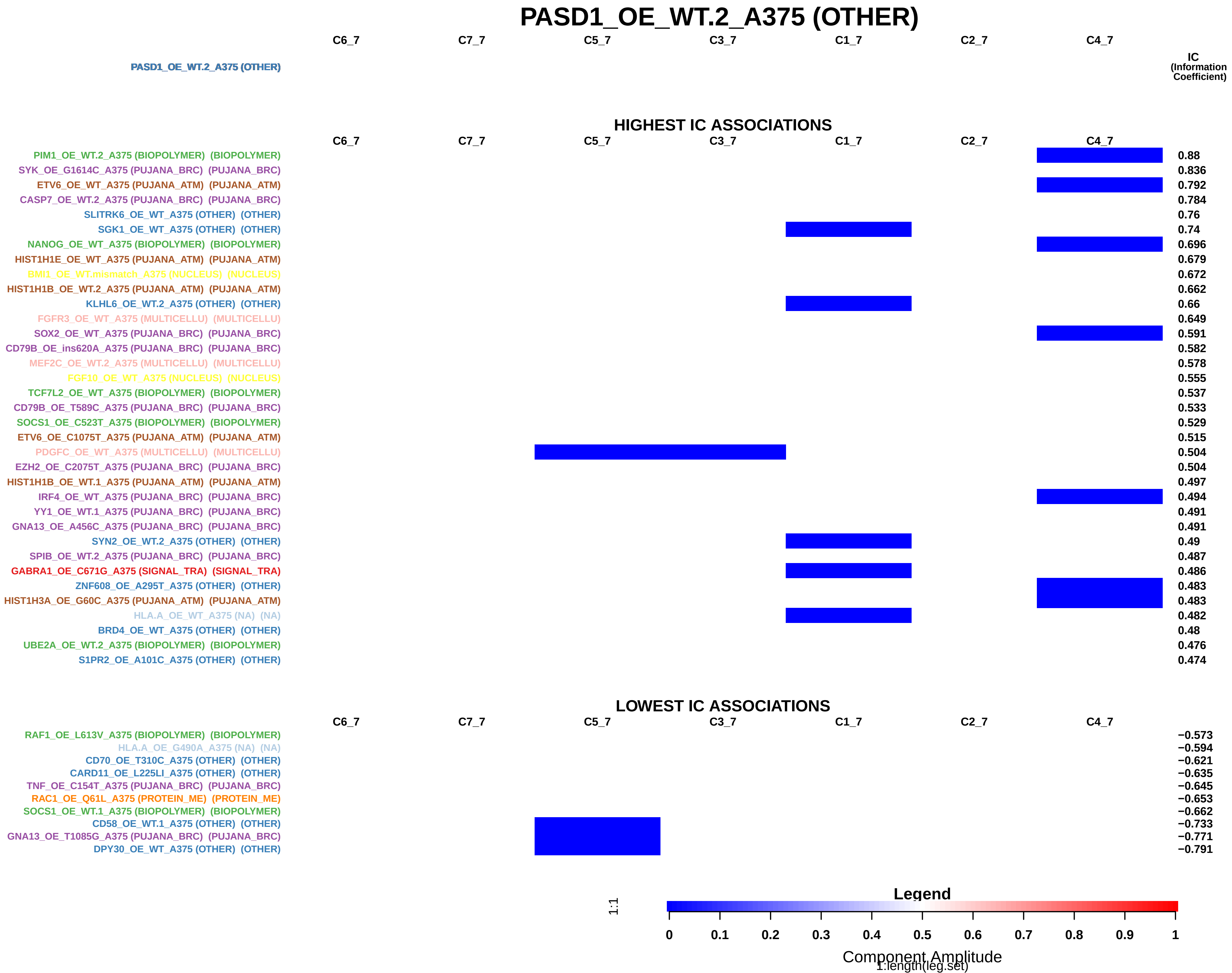


PDGFC_OE_G930T_A375 (MULTICELLU)

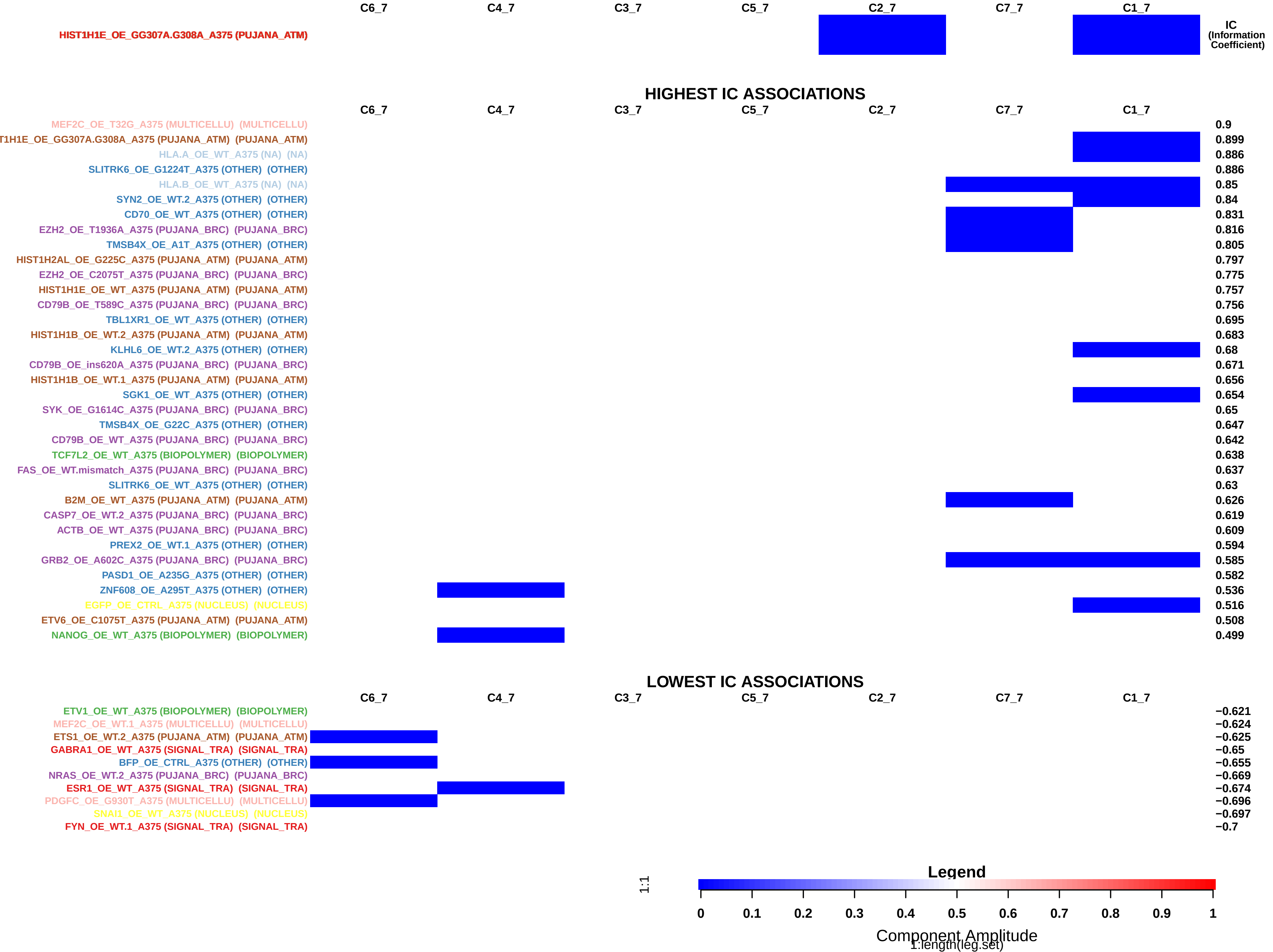


GRB2_OE_A602C_A375 (PUJANA_BRC)

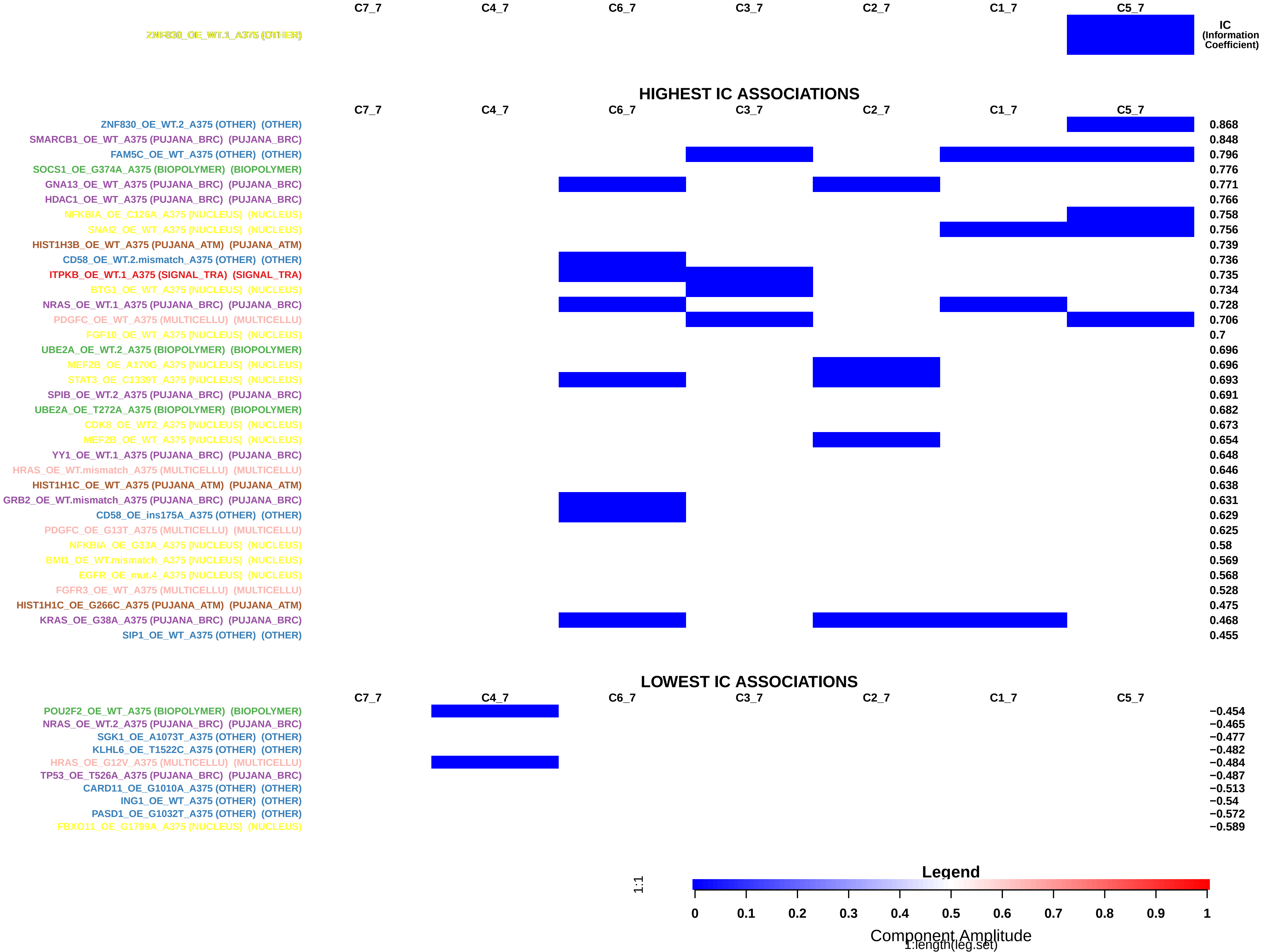



PASD1_OE_WT.2_A375 (OTHER)
C6_7
C7_7
C5_7
C3_7
C1_7
C2_7
C4_7
PASD1_OE_WT.2_A375 (OTHER)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
PIM1_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.88
SYK_OE_G1614C_A375 (PUJANA_BRC) (PUJANA_BRC) 0.836
ETV6_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.792
CASP7_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.784
SLITRK6_OE_WT_A375 (OTHER) (OTHER) 0.76
SGK1_OE_WT_A375 (OTHER) (OTHER) 0.74
NANOG_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.696
HIST1H1E_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.679
BMI1_OE_WT.mismatch_A375 (NUCLEUS) (NUCLEUS) 0.672
HIST1H1B_OE_WT.2_A375 (PUJANA_ATM) (PUJANA_ATM) 0.662
KLHL6_OE_WT.2_A375 (OTHER) (OTHER) 0.66
FGFR3_OE_WT_A375 (MULTICELLU) (MULTICELLU) 0.649
SOX2_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.591
CD79B_OE_ins620A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.582
MEF2C_OE_WT.2_A375 (MULTICELLU) (MULTICELLU) 0.578
FGF10_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.555
TCF7L2_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.537
CD79B_OE_T589C_A375 (PUJANA_BRC) (PUJANA_BRC) 0.533
SOCS1_OE_C523T_A375 (BIOPOLYMER) (BIOPOLYMER) 0.529
ETV6_OE_C1075T_A375 (PUJANA_ATM) (PUJANA_ATM) 0.515
PDGFC_OE_WT_A375 (MULTICELLU) (MULTICELLU) 0.504
EZH2_OE_C2075T_A375 (PUJANA_BRC) (PUJANA_BRC) 0.504
HIST1H1B_OE_WT.1_A375 (PUJANA_ATM) (PUJANA_ATM) 0.497
IRF4_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.494
YY1_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) 0.491
GNA13_OE_A456C_A375 (PUJANA_BRC) (PUJANA_BRC) 0.491
SYN2_OE_WT.2_A375 (OTHER) (OTHER) 0.49
SPIB_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.487
GABRA1_OE_C671G_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.486
ZNF608_OE_A295T_A375 (OTHER) (OTHER) 0.483
HIST1H3A_OE_G60C_A375 (PUJANA_ATM) (PUJANA_ATM) 0.483
HLA.A_OE_WT_A375 (NA) (NA) 0.482
BRD4_OE_WT_A375 (OTHER) (OTHER) 0.48
UBE2A_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.476
S1PR2_OE_A101C_A375 (OTHER) (OTHER) 0.474
LOWEST IC ASSOCIATIONS
RAF1_OE_L613V_A375 (BIOPOLYMER) (BIOPOLYMER) −0.573
HLA.A_OE_G490A_A375 (NA) (NA) −0.594
CD70_OE_T310C_A375 (OTHER) (OTHER) −0.621
CARD11_OE_L225LI_A375 (OTHER) (OTHER) −0.635
TNF_OE_C154T_A375 (PUJANA_BRC) (PUJANA_BRC) −0.645
RAC1_OE_Q61L_A375 (PROTEIN_ME) (PROTEIN_ME) −0.653
SOCS1_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) −0.662
CD58_OE_WT.1_A375 (OTHER) (OTHER) −0.733
GNA13_OE_T1085G_A375 (PUJANA_BRC) (PUJANA_BRC) −0.771
DPY30_OE_WT_A375 (OTHER) (OTHER) −0.791
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)

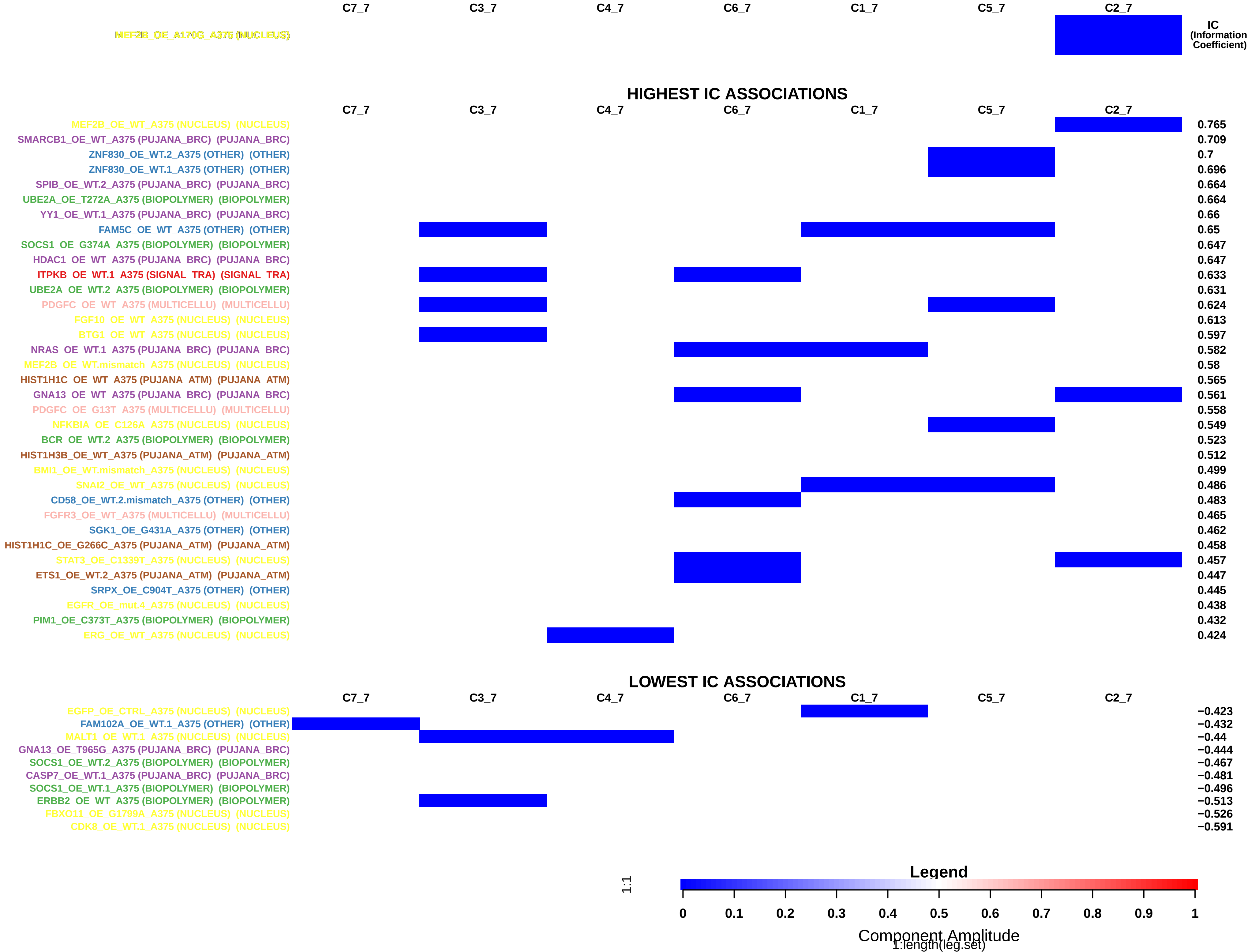
HIST1H1E_OE_GG307A.G308A_A375 (PUJANA_ATM)



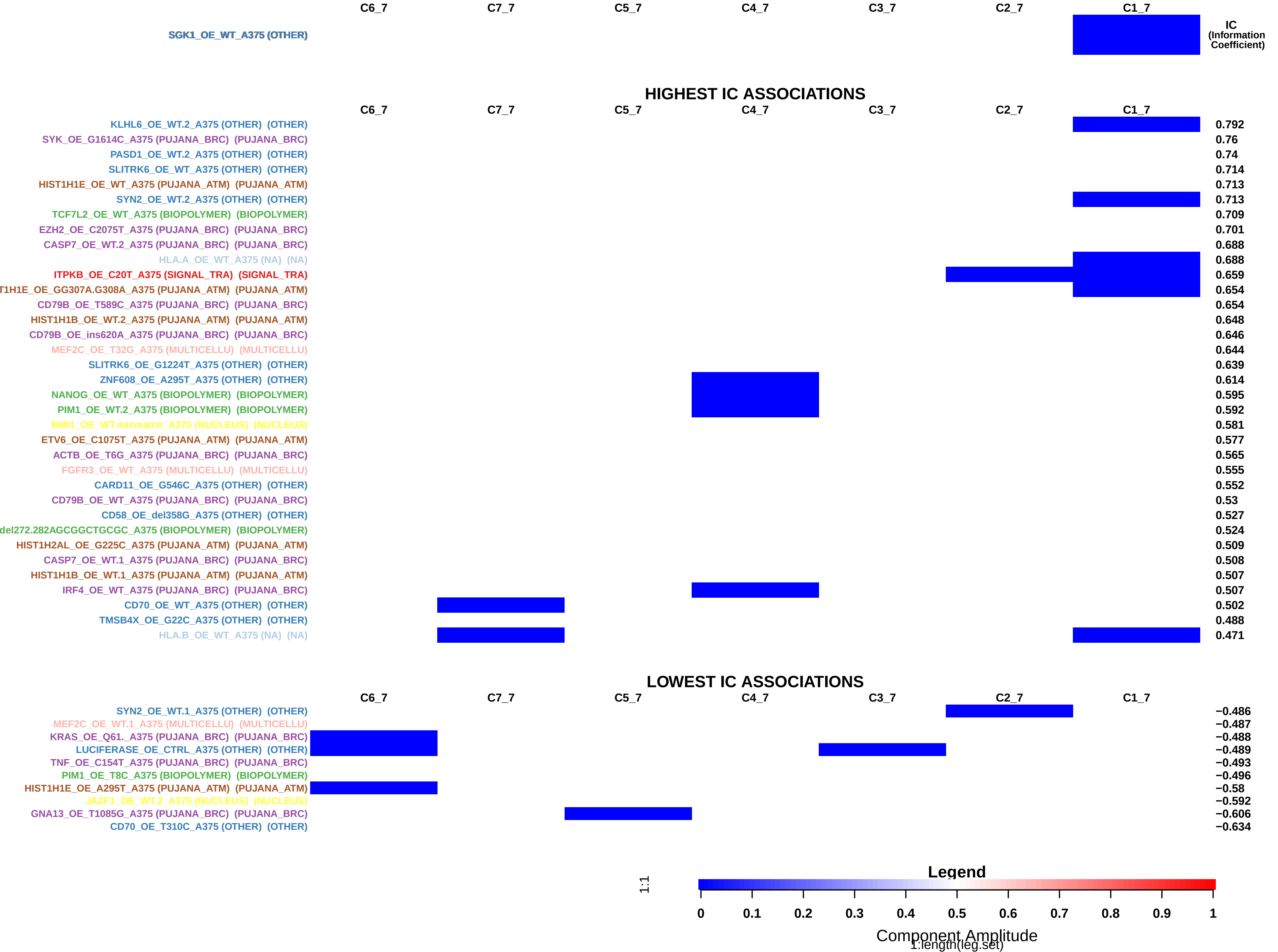
ZNF830_OE_WT.1_A375 (OTHER)



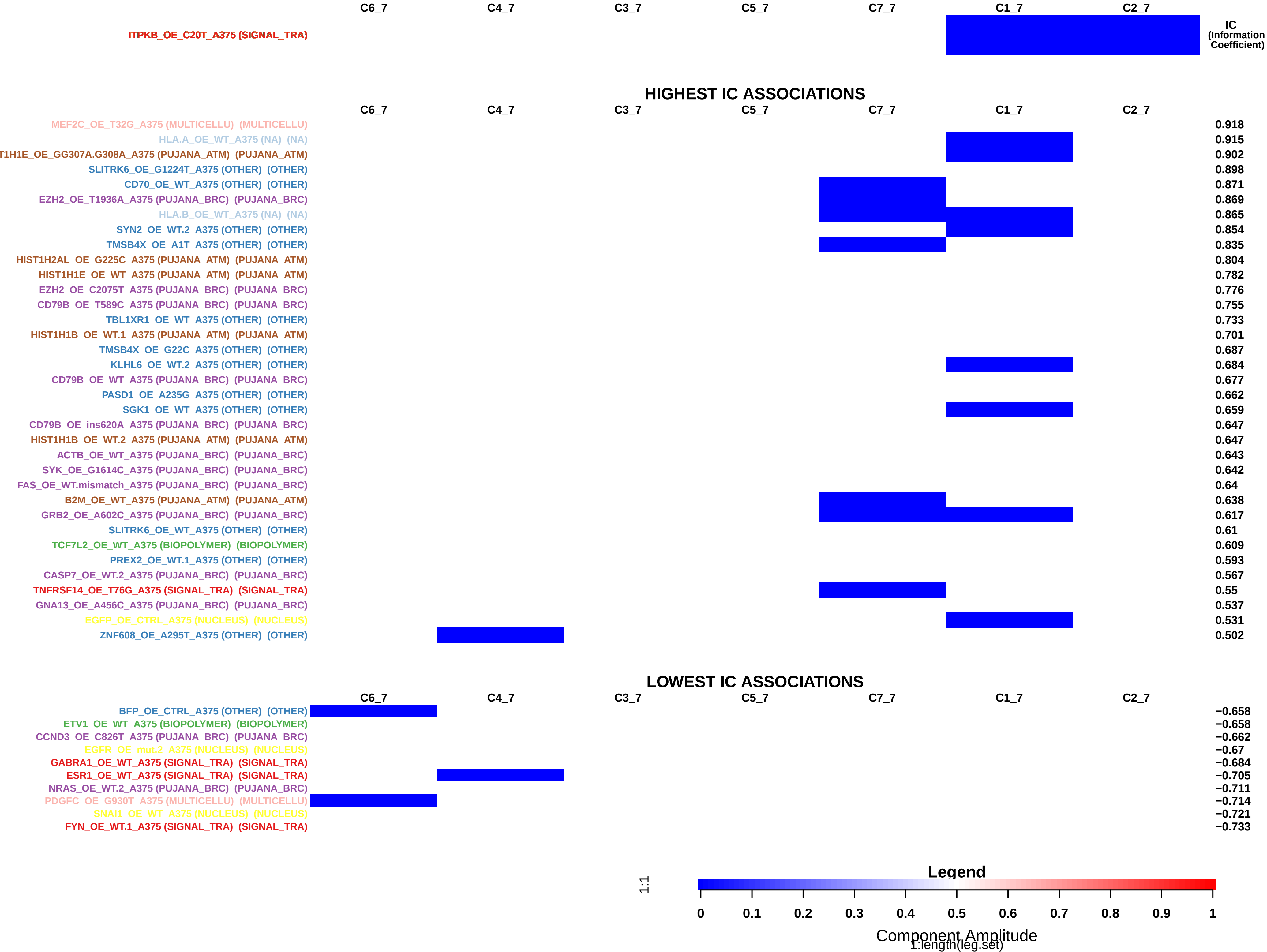
MEF2B_OE_A170G_A375 (NUCLEUS)



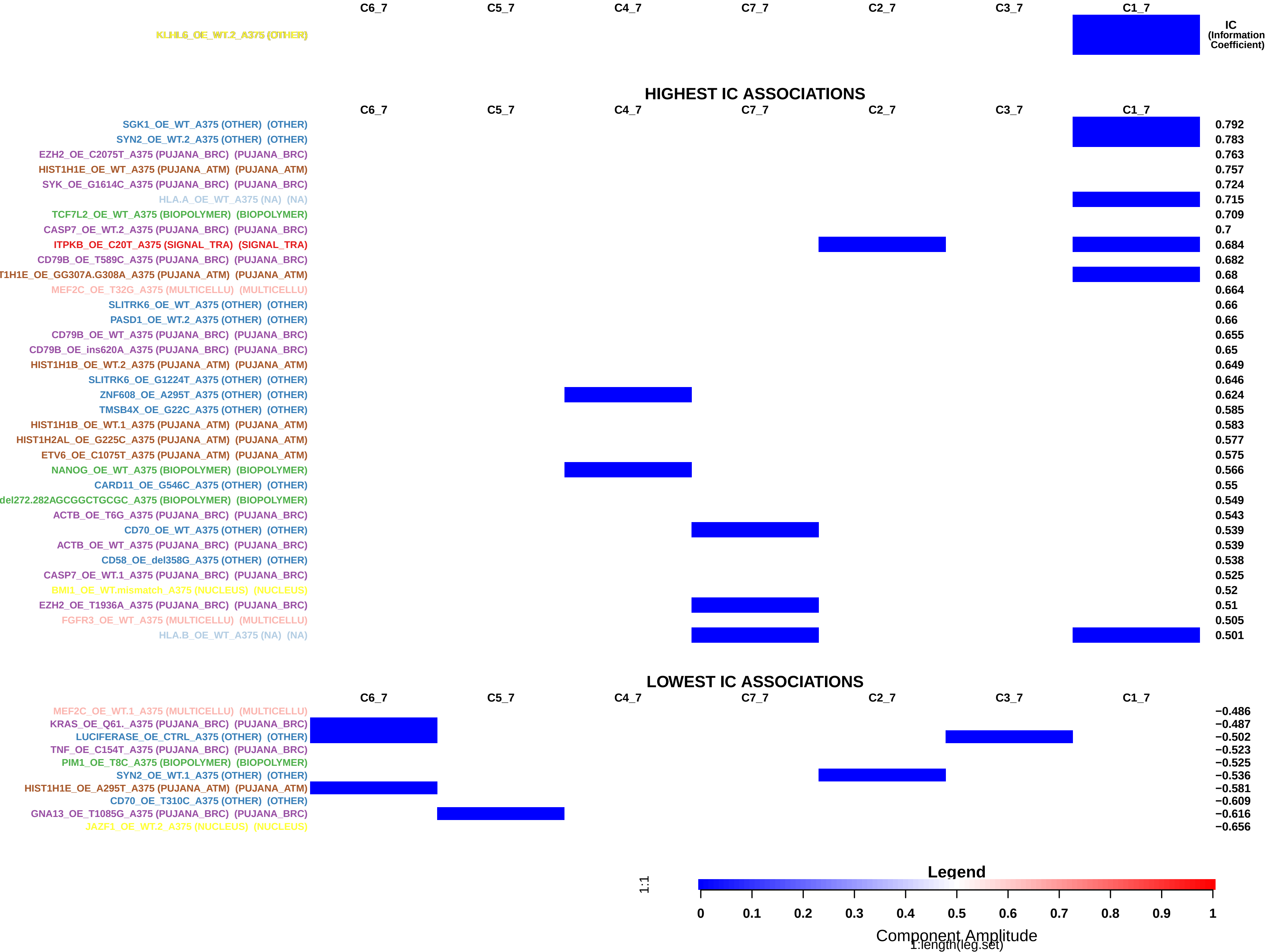
SGK1_OE_WT_A375 (OTHER)



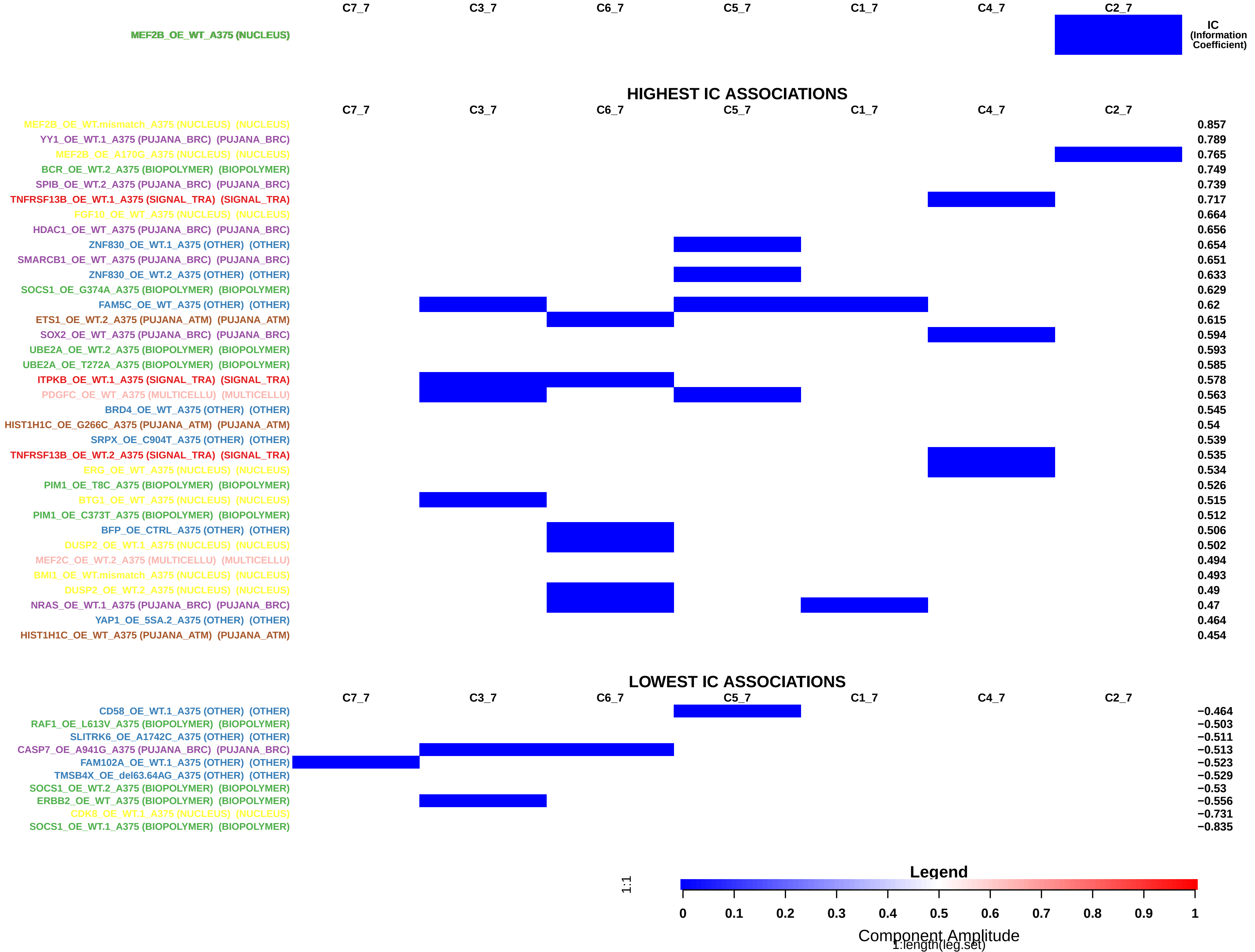
ITPKB_OE_C20T_A375 (SIGNAL_TRA)



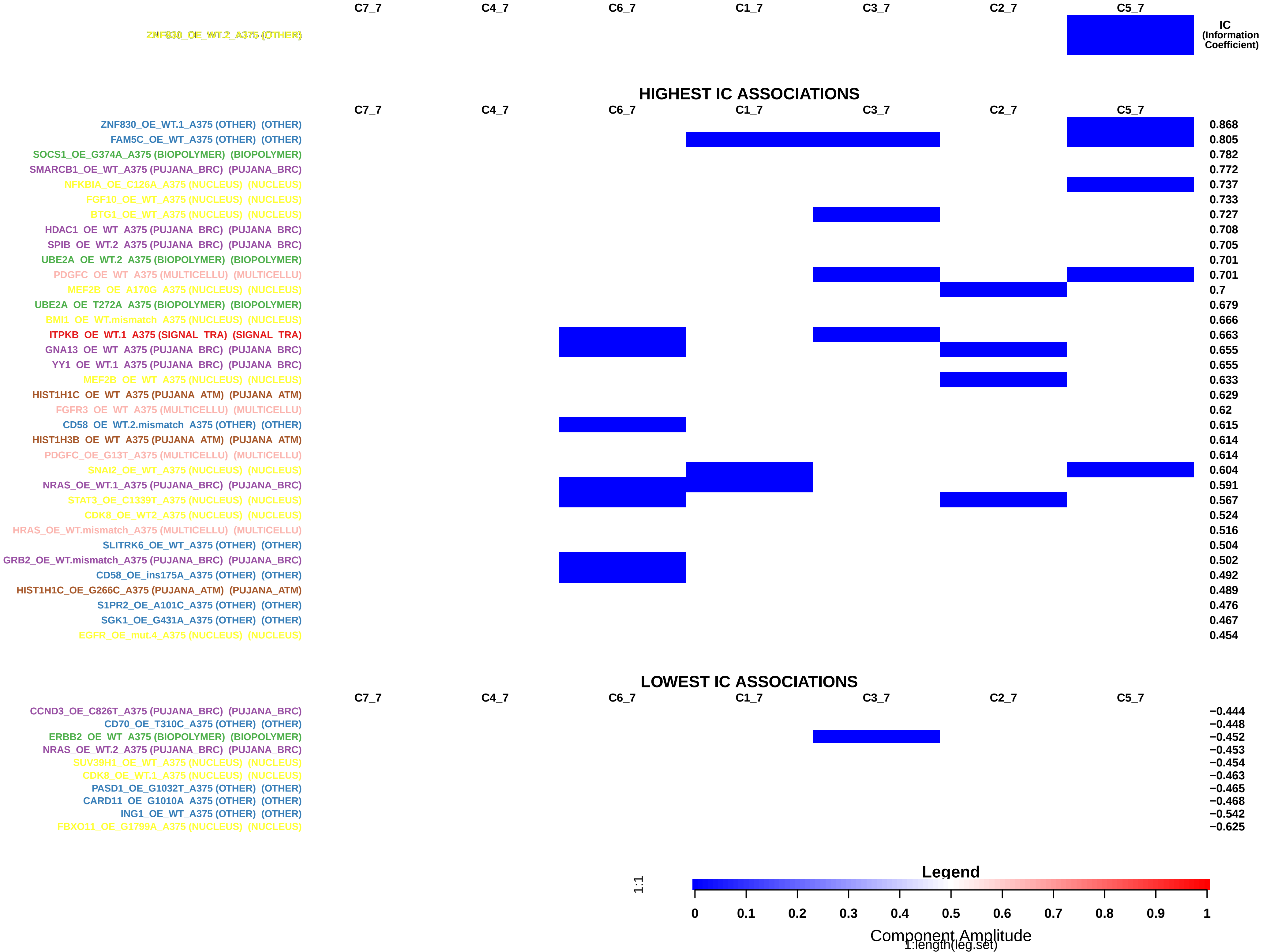
KLHL6_OE_WT.2_A375 (OTHER)



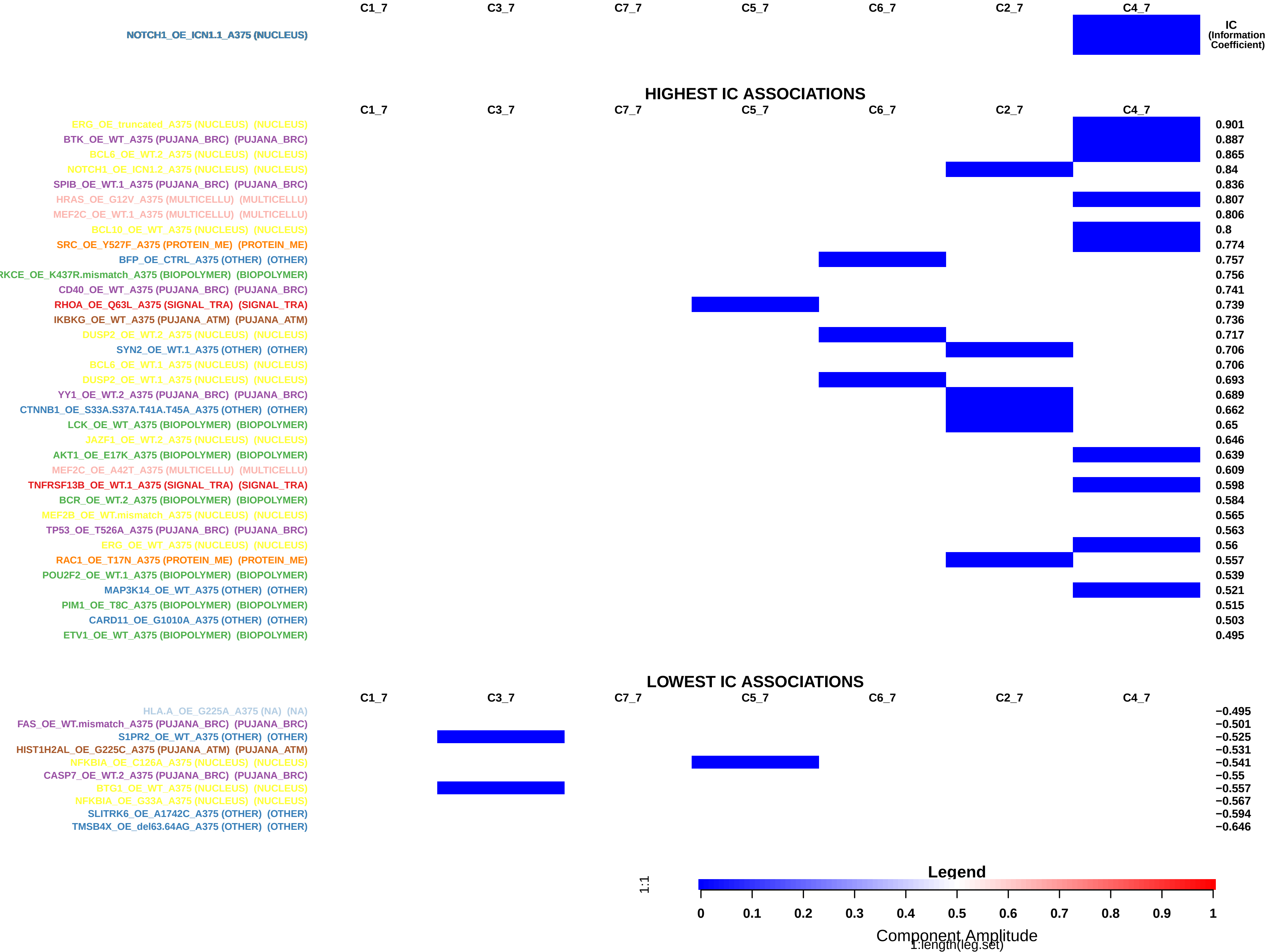
MEF2B_OE_WT_A375 (NUCLEUS)



ZNF830_OE_WT.2_A375 (OTHER)



NOTCH1_OE_ICN1.1_A375 (NUCLEUS)


C1_7
C3_7
C7_7
C5_7
C6_7
C2_7
C4_7
NOTCH1_OE_ICN1.1_A375 (NUCLEUS)
IC
(Information
Coefficient)
HIGHEST IC ASSOCIATIONS
ERG_OE_truncated_A375 (NUCLEUS) (NUCLEUS) 0.901
BTK_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.887
BCL6_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.865
NOTCH1_OE_ICN1.2_A375 (NUCLEUS) (NUCLEUS) 0.84
SPIB_OE_WT.1_A375 (PUJANA_BRC) (PUJANA_BRC) 0.836
HRAS_OE_G12V_A375 (MULTICELLU) (MULTICELLU) 0.807
MEF2C_OE_WT.1_A375 (MULTICELLU) (MULTICELLU) 0.806
BCL10_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.8
SRC_OE_Y527F_A375 (PROTEIN_ME) (PROTEIN_ME) 0.774
BFP_OE_CTRL_A375 (OTHER) (OTHER) 0.757
RKCE_OE_K437R.mismatch_A375 (BIOPOLYMER) (BIOPOLYMER) 0.756
CD40_OE_WT_A375 (PUJANA_BRC) (PUJANA_BRC) 0.741
RHOA_OE_Q63L_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.739
IKBKG_OE_WT_A375 (PUJANA_ATM) (PUJANA_ATM) 0.736
DUSP2_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.717
SYN2_OE_WT.1_A375 (OTHER) (OTHER) 0.706
BCL6_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.706
DUSP2_OE_WT.1_A375 (NUCLEUS) (NUCLEUS) 0.693
YY1_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) 0.689
CTNNB1_OE_S33A.S37A.T41A.T45A_A375 (OTHER) (OTHER) 0.662
LCK_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.65
JAZF1_OE_WT.2_A375 (NUCLEUS) (NUCLEUS) 0.646
AKT1_OE_E17K_A375 (BIOPOLYMER) (BIOPOLYMER) 0.639
MEF2C_OE_A42T_A375 (MULTICELLU) (MULTICELLU) 0.609
TNFRSF13B_OE_WT.1_A375 (SIGNAL_TRA) (SIGNAL_TRA) 0.598
BCR_OE_WT.2_A375 (BIOPOLYMER) (BIOPOLYMER) 0.584
MEF2B_OE_WT.mismatch_A375 (NUCLEUS) (NUCLEUS) 0.565
TP53_OE_T526A_A375 (PUJANA_BRC) (PUJANA_BRC) 0.563
ERG_OE_WT_A375 (NUCLEUS) (NUCLEUS) 0.56
RAC1_OE_T17N_A375 (PROTEIN_ME) (PROTEIN_ME) 0.557
POU2F2_OE_WT.1_A375 (BIOPOLYMER) (BIOPOLYMER) 0.539
MAP3K14_OE_WT_A375 (OTHER) (OTHER) 0.521
PIM1_OE_T8C_A375 (BIOPOLYMER) (BIOPOLYMER) 0.515
CARD11_OE_G1010A_A375 (OTHER) (OTHER) 0.503
ETV1_OE_WT_A375 (BIOPOLYMER) (BIOPOLYMER) 0.495
LOWEST IC ASSOCIATIONS
HLA.A_OE_G225A_A375 (NA) (NA) −0.495
FAS_OE_WT.mismatch_A375 (PUJANA_BRC) (PUJANA_BRC) −0.501
S1PR2_OE_WT_A375 (OTHER) (OTHER) −0.525
HIST1H2AL_OE_G225C_A375 (PUJANA_ATM) (PUJANA_ATM) −0.531
NFKBIA_OE_C126A_A375 (NUCLEUS) (NUCLEUS) −0.541
CASP7_OE_WT.2_A375 (PUJANA_BRC) (PUJANA_BRC) −0.55
BTG1_OE_WT_A375 (NUCLEUS) (NUCLEUS) −0.557
NFKBIA_OE_G33A_A375 (NUCLEUS) (NUCLEUS) −0.567
SLITRK6_OE_A1742C_A375 (OTHER) (OTHER) −0.594
TMSB4X_OE_del63.64AG_A375 (OTHER) (OTHER) −0.646
Legend
1:1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Component Amplitude
1:length(leg.set)