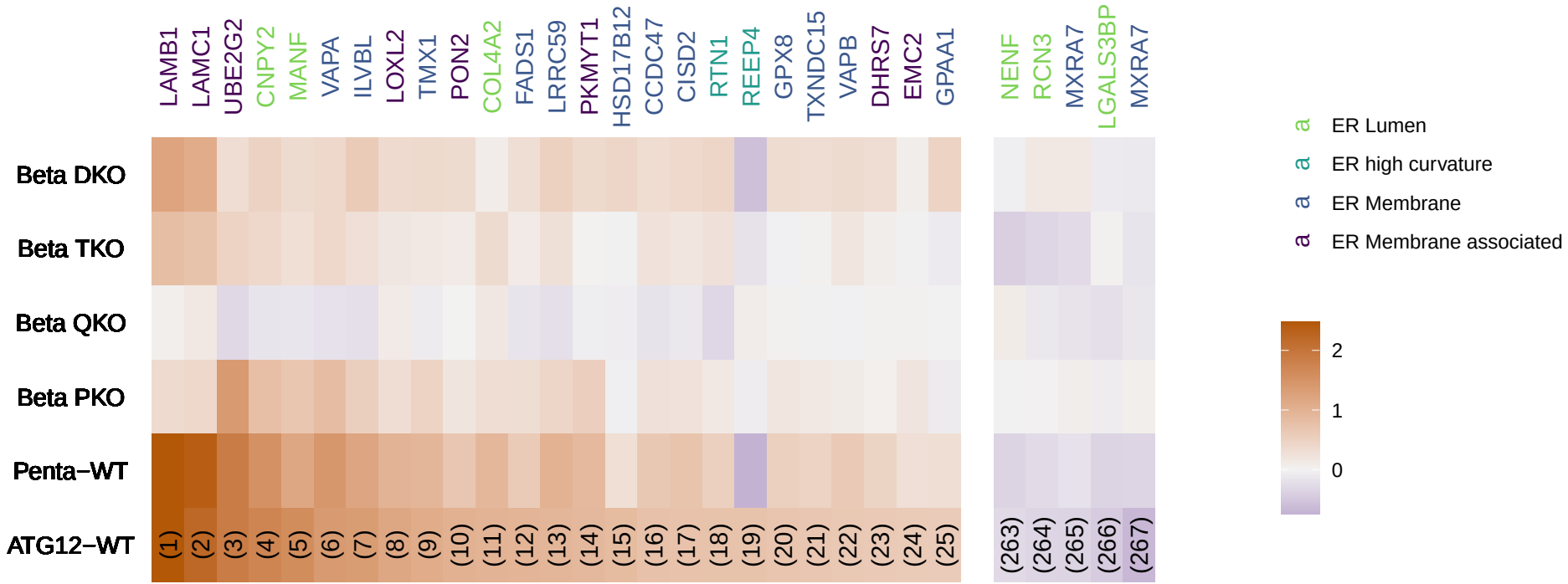
LAMB1
LAMC1
UBE2G2
CNPY2
MANF
VAPA
ILVBL
LOXL2
TMX1
PON2
COL4A2
FADS1
LRRC59
PKMYT1
HSD17B12
CCDC47
CISD2
RTN1
REEP4
GPX8
TXNDC15
VAPB
DHRS7
EMC2
GPAA1
NENF
RCN3
MXRA7
LGALS3BP
MXRA7
Beta DKO
Beta TKO
Beta QKO
Beta PKO
Penta−WT
ATG12−WT
(1)
(2)
(3)
(4)
(5)
(6)
(7)
(8)
(9)
(10)
(11)
(12)
(13)
(14)
(15)
(16)
(17)
(18)
(19)
(20)
(21)
(22)
(23)
(24)
(25)
(263)
(264)
(265)
(266)
(267)
a
ER Lumen
a
ER high curvature
a
ER Membrane
a
ER Membrane associated
2
1
0