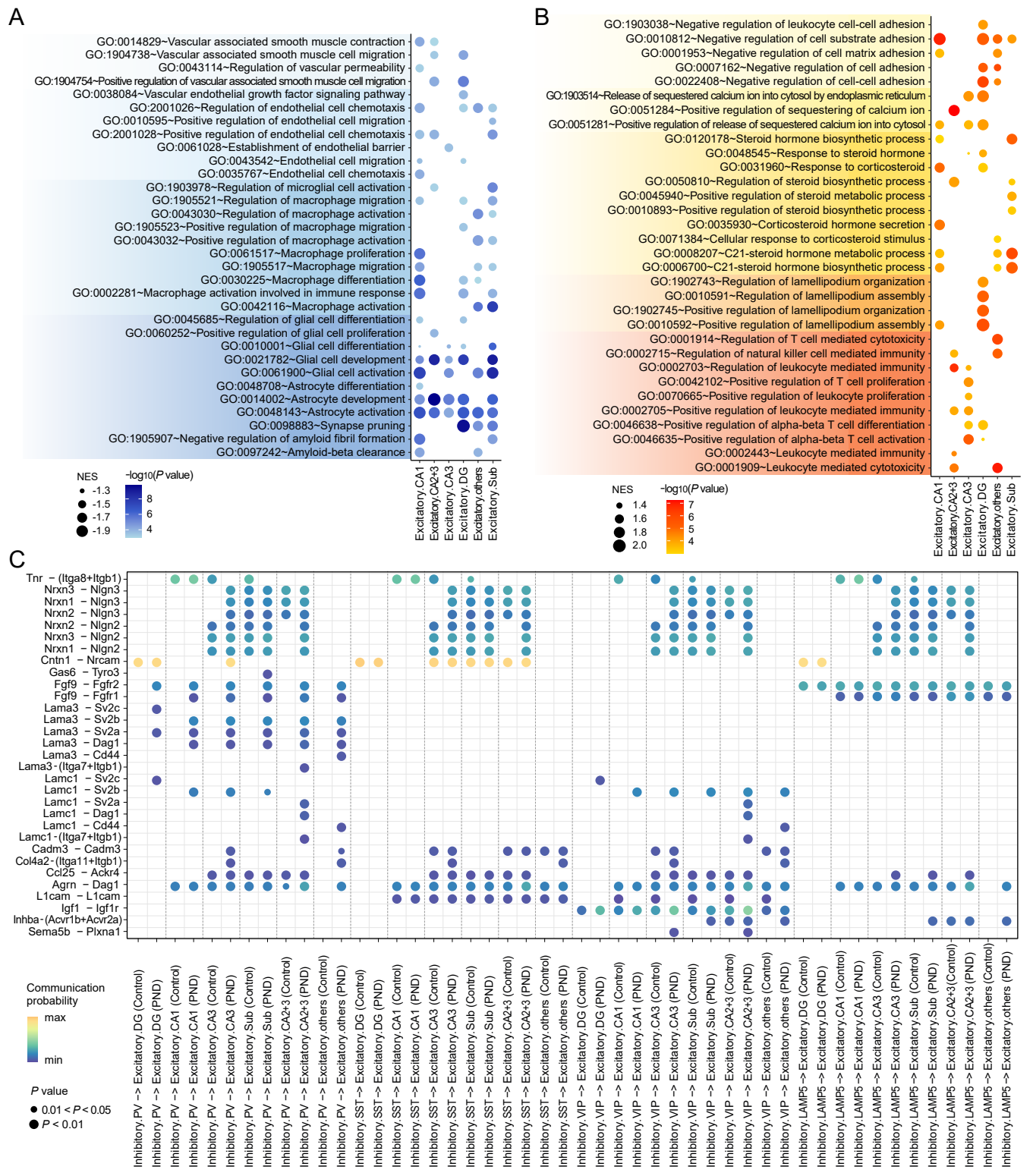
A
GO:0014829~Vascular associated smooth muscle contraction
GO:1904738~Vascular associated smooth muscle cell migration
GO:0043114~Regulation of vascular permeability
GO:1904754~Positive regulation of vascular associated smooth muscle cell migration
GO:0038084~Vascular endothelial growth factor signaling pathway
GO:2001026~Regulation of endothelial cell chemotaxis
GO:0010595~Positive regulation of endothelial cell migration
GO:2001028~Positive regulation of endothelial cell chemotaxis
GO:0061028~Establishment of endothelial barrier
GO:0043542~Endothelial cell migration
GO:0035767~Endothelial cell chemotaxis
GO:1903978~Regulation of microglial cell activation
GO:1905521~Regulation of macrophage migration
GO:0043030~Regulation of macrophage activation
GO:1905523~Positive regulation of macrophage migration
GO:0043032~Positive regulation of macrophage activation
GO:0061517~Macrophage proliferation
GO:1905517~Macrophage migration
GO:0030225~Macrophage differentiation
GO:0002281~Macrophage activation involved in immune response
GO:0042116~Macrophage activation
GO:0045685~Regulation of glial cell differentiation
GO:0060252~Positive regulation of glial cell proliferation
GO:0010001~Glial cell differentiation
GO:0021782~Glial cell development
GO:0061900~Glial cell activation
GO:0048708~Astrocyte differentiation
GO:0014002~Astrocyte development
GO:0048143~Astrocyte activation
GO:0098883~Synapse pruning
GO:1905907~Negative regulation of amyloid fibril formation
GO:0097242~Amyloid-beta clearance
Excitatory.CA1
Excitatory.CA2+3
Excitatory.CA3
Excitatory.DG
Excitatory.others
Excitatory.Sub
NES
-1.3
-1.5
-1.7
-1.9
-log10(P value)
8
6
4
B
GO:1903038~Negative regulation of leukocyte cell-cell adhesion
GO:0010812~Negative regulation of cell substrate adhesion
GO:0001953~Negative regulation of cell matrix adhesion
GO:0007162~Negative regulation of cell adhesion
GO:0022408~Negative regulation of cell-cell adhesion
GO:1903514~Release of sequestered calcium ion into cytosol by endoplasmic reticulum
GO:0051284~Positive regulation of sequestering of calcium ion
GO:0051281~Positive regulation of release of sequestered calcium ion into cytosol
GO:0120178~Steroid hormone biosynthetic process
GO:0048545~Response to steroid hormone
GO:0031960~Response to corticosteroid
GO:0050810~Regulation of steroid biosynthetic process
GO:0045940~Positive regulation of steroid metabolic process
GO:0010893~Positive regulation of steroid biosynthetic process
GO:0035930~Corticosteroid hormone secretion
GO:0071384~Cellular response to corticosteroid stimulus
GO:0008207~C21-steroid hormone metabolic process
GO:0006700~C21-steroid hormone biosynthetic process
GO:1902743~Regulation of lamellipodium organization
GO:0010591~Regulation of lamellipodium assembly
GO:1902745~Positive regulation of lamellipodium organization
GO:0010592~Positive regulation of lamellipodium assembly
GO:0001914~Regulation of T cell mediated cytotoxicity
GO:0002715~Regulation of natural killer cell mediated immunity
GO:0002703~Regulation of leukocyte mediated immunity
GO:0042102~Positive regulation of T cell proliferation
GO:0070665~Positive regulation of leukocyte proliferation
GO:0002705~Positive regulation of leukocyte mediated immunity
GO:0046638~Positive regulation of alpha-beta T cell differentiation
GO:0046635~Positive regulation of alpha-beta T cell activation
GO:0002443~Leukocyte mediated immunity
GO:0001909~Leukocyte mediated cytotoxicity
Excitatory.CA1
Excitatory.CA2+3
Excitatory.CA3
Excitatory.DG
Excitatory.others
Excitatory.Sub
NES
1.4
1.6
1.8
2.0
-log10(P value)
7
6
5
4
C
Tnr - (Itga8+Itgb1)
Nrxn3 - Nlgn3
Nrxn1 - Nlgn3
Nrxn2 - Nlgn3
Nrxn2 - Nlgn2
Nrxn3 - Nlgn2
Nrxn1 - Nlgn2
Cntn1 - Nrcam
Gas6 - Tyro3
Fgf9 - Fgfr2
Fgf9 - Fgfr1
Lama3 - Sv2c
Lama3 - Sv2b
Lama3 - Sv2a
Lama3 - Dag1
Lama3 - Cd44
Lama3 - (Itga7+Itgb1)
Lamc1 - Sv2c
Lamc1 - Sv2b
Lamc1 - Sv2a
Lamc1 - Dag1
Lamc1 - Cd44
Lamc1 - (Itga7+Itgb1)
Cadm3 - Cadm3
Col4a2 - (Itga11+Itgb1)
Ccl25 - Ackr4
Agrn - Dag1
L1cam - L1cam
Igf1 - Igf1r
Inhba - (Acvr1b+Acvr2a)
Sema5b - Plxna1
Inhibitory.PV -> Excitatory.DG (Control)
Inhibitory.PV -> Excitatory.DG (PND)
Inhibitory.PV -> Excitatory.CA1 (Control)
Inhibitory.PV -> Excitatory.CA1 (PND)
Inhibitory.PV -> Excitatory.CA3 (Control)
Inhibitory.PV -> Excitatory.CA3 (PND)
Inhibitory.PV -> Excitatory.Sub (Control)
Inhibitory.PV -> Excitatory.Sub (PND)
Inhibitory.PV -> Excitatory.CA2+3 (Control)
Inhibitory.PV -> Excitatory.CA2+3 (PND)
Inhibitory.PV -> Excitatory.others (Control)
Inhibitory.PV -> Excitatory.others (PND)
Inhibitory.SST -> Excitatory.DG (Control)
Inhibitory.SST -> Excitatory.DG (PND)
Inhibitory.SST -> Excitatory.CA1 (Control)
Inhibitory.SST -> Excitatory.CA1 (PND)
Inhibitory.SST -> Excitatory.CA3 (Control)
Inhibitory.SST -> Excitatory.CA3 (PND)
Inhibitory.SST -> Excitatory.Sub (Control)
Inhibitory.SST -> Excitatory.Sub (PND)
Inhibitory.SST -> Excitatory.CA2+3 (Control)
Inhibitory.SST -> Excitatory.CA2+3 (PND)
Inhibitory.SST -> Excitatory.others (Control)
Inhibitory.SST -> Excitatory.others (PND)
Inhibitory.VIP -> Excitatory.DG (Control)
Inhibitory.VIP -> Excitatory.DG (PND)
Inhibitory.VIP -> Excitatory.CA1 (Control)
Inhibitory.VIP -> Excitatory.CA1 (PND)
Inhibitory.VIP -> Excitatory.CA3 (Control)
Inhibitory.VIP -> Excitatory.CA3 (PND)
Inhibitory.VIP -> Excitatory.Sub (Control)
Inhibitory.VIP -> Excitatory.Sub (PND)
Inhibitory.VIP -> Excitatory.CA2+3 (Control)
Inhibitory.VIP -> Excitatory.CA2+3 (PND)
Inhibitory.VIP -> Excitatory.others (Control)
Inhibitory.VIP -> Excitatory.others (PND)
Inhibitory.LAMP5 -> Excitatory.DG (Control)
Inhibitory.LAMP5 -> Excitatory.DG (PND)
Inhibitory.LAMP5 -> Excitatory.CA1 (Control)
Inhibitory.LAMP5 -> Excitatory.CA1 (PND)
Inhibitory.LAMP5 -> Excitatory.CA3 (Control)
Inhibitory.LAMP5 -> Excitatory.CA3 (PND)
Inhibitory.LAMP5 -> Excitatory.Sub (Control)
Inhibitory.LAMP5 -> Excitatory.Sub (PND)
Inhibitory.LAMP5 -> Excitatory.CA2+3(Control)
Inhibitory.LAMP5 -> Excitatory.CA2+3 (PND)
Inhibitory.LAMP5 -> Excitatory.others (Control)
Inhibitory.LAMP5 -> Excitatory.others (PND)
Communication probability
max
min
P value
0.01 < P < 0.05
P < 0.01