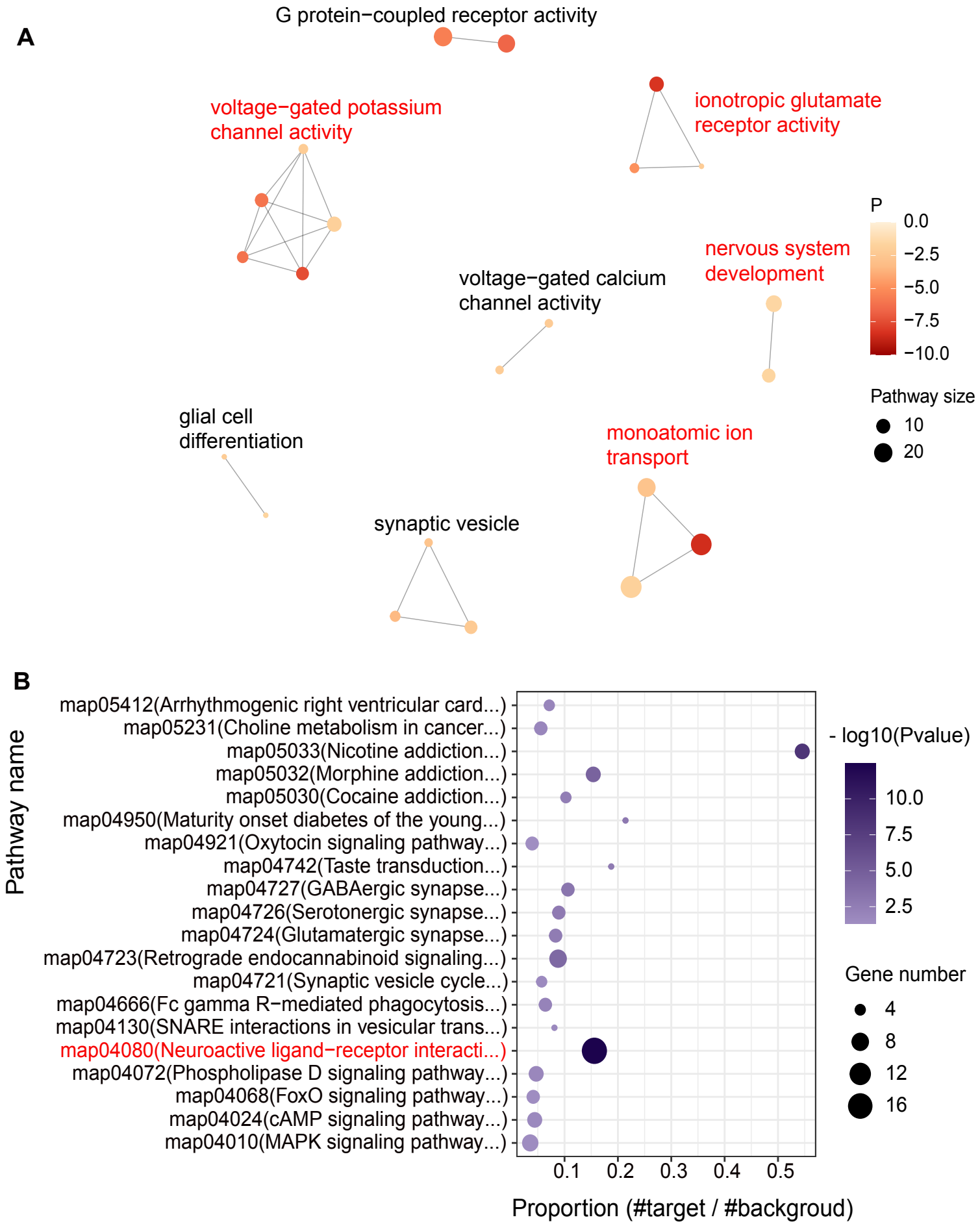

A
G protein−coupled receptor activity
voltage−gated potassium channel activity
ionotropic glutamate receptor activity
nervous system development
voltage−gated calcium channel activity
glial cell differentiation
monoatomic ion transport
synaptic vesicle
P
0.0
−2.5
−5.0
−7.5
−10.0
Pathway size
10
20
B
Pathway name
map05412(Arrhythmogenic right ventricular card...)
map05231(Choline metabolism in cancer...)
map05033(Nicotine addiction...)
map05032(Morphine addiction...)
map05030(Cocaine addiction...)
map04950(Maturity onset diabetes of the young...)
map04921(Oxytocin signaling pathway...)
map04742(Taste transduction...)
map04727(GABAergic synapse...)
map04726(Serotonergic synapse...)
map04724(Glutamatergic synapse...)
map04723(Retrograde endocannabinoid signaling...)
map04721(Synaptic vesicle cycle...)
map04666(Fc gamma R−mediated phagocytosis...)
map04130(SNARE interactions in vesicular trans...)
map04080(Neuroactive ligand−receptor interacti...)
map04072(Phospholipase D signaling pathway...)
map04068(FoxO signaling pathway...)
map04024(cAMP signaling pathway...)
map04010(MAPK signaling pathway...)
0.1
0.2
0.3
0.4
0.5
Proportion (#target / #backgroud)
- log10(Pvalue)
10.0
7.5
5.0
2.5
Gene number
4
8
12
16