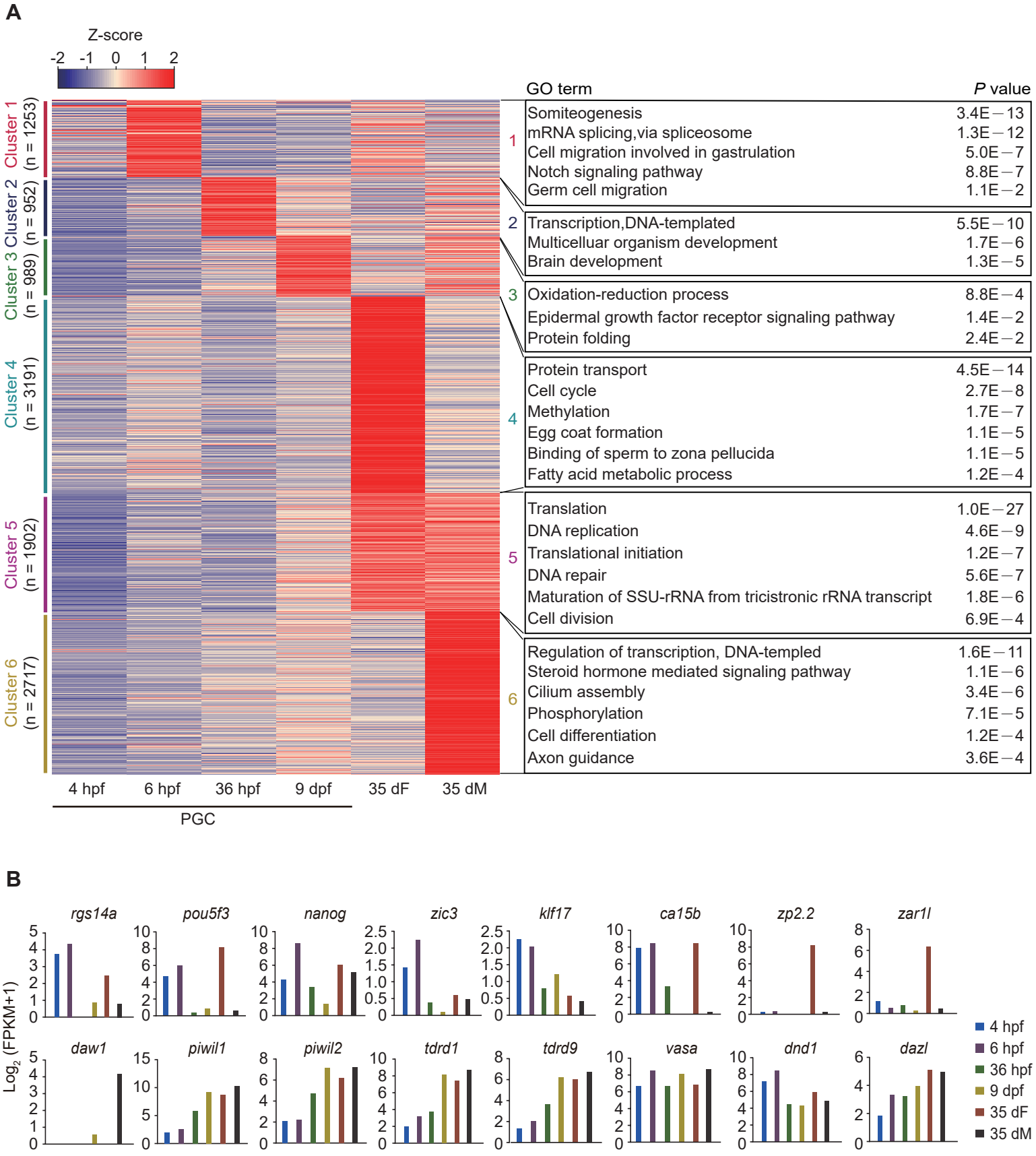
A
Z-score
-2 -1 0 1 2
Cluster 1 (n = 1253)
Cluster 2 (n = 952)
Cluster 3 (n = 989)
Cluster 4 (n = 3191)
Cluster 5 (n = 1902)
Cluster 6 (n = 2717)
4 hpf
6 hpf
36 hpf
9 dpf
35 dF
35 dM
PGC
GO term
P value
1
Somiteogenesis 3.4E−13
mRNA splicing,via spliceosome 1.3E−12
Cell migration involved in gastrulation 5.0E−7
Notch signaling pathway 8.8E−7
Germ cell migration 1.1E−2
2
Transcription,DNA-templated 5.5E−10
Multicelluar organism development 1.7E−6
Brain development 1.3E−5
3
Oxidation-reduction process 8.8E−4
Epidermal growth factor receptor signaling pathway 1.4E−2
Protein folding 2.4E−2
4
Protein transport 4.5E−14
Cell cycle 2.7E−8
Methylation 1.7E−7
Egg coat formation 1.1E−5
Binding of sperm to zona pellucida 1.1E−5
Fatty acid metabolic process 1.2E−4
5
Translation 1.0E−27
DNA replication 4.6E−9
Translational initiation 1.2E−7
DNA repair 5.6E−7
Maturation of SSU-rRNA from tricistronic rRNA transcript 1.8E−6
Cell division 6.9E−4
6
Regulation of transcription, DNA-templed 1.6E−11
Steroid hormone mediated signaling pathway 1.1E−6
Cilium assembly 3.4E−6
Phosphorylation 7.1E−5
Cell differentiation 1.2E−4
Axon guidance 3.6E−4
B
rgs14a
pou5f3
nanog
zic3
klf17
ca15b
zp2.2
zar1l
daw1
piwil1
piwil2
tdrd1
tdrd9
vasa
dnd1
dazl
Log2 (FPKM+1)
4 hpf
6 hpf
36 hpf
9 dpf
35 dF
35 dM