

Figure S1. GO enrichment analysis of genes with different exon numbers. (A) genes with only one exon in *C. robusta*; (B) genes with only one exon in *C. savignyi*; (C) genes with more than ten exons in *C. robusta*; (D) genes with more than ten exons in *C. savignyi*.

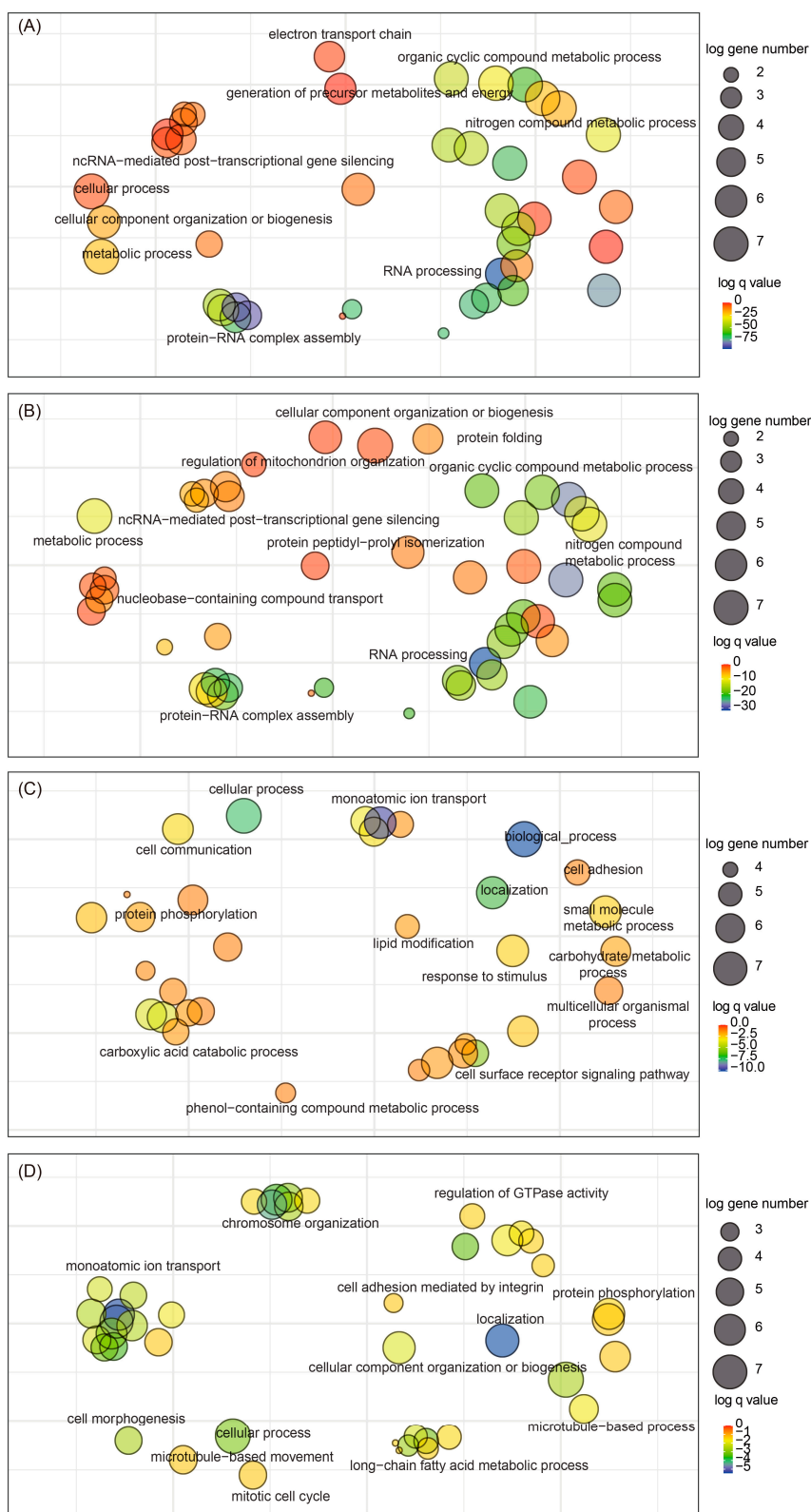


Table S1 Comparisons of different alternative splicing types in congeneric ascidians under different environmental stresses

Species under stress	SE	MXE	A3SS	A5SS	RI
<i>C. robusta</i> under salinity stress	92.2%	5.8%	1.1%	0.8%	0.01%
<i>C. savignyi</i> under salinity stress	70.7%	11.7%	6.96%	10.38%	0.24%
<i>C. savignyi</i> under temperature stress	51.8%	10.2%	11.03%	23.48%	3.41%