Supplementary File S2, Figure S1 Go annotation in different comparison groups

CK_VS_ZG50

Category	Term	Count (Percent)
Biological process	gene expression	15 (48.39%)
Biological process	phosphate−containing compound metabolic process	2 (6.45%)
Biological process	histone lysine methylation	2 (6.45%)
Biological process	primary metabolic process	1 (3.23%)
Biological process	metabolic process	1 (3.23%)
Cellular component	membrane	8 (34.78%)
Cellular component	intracellular membrane−bounded organelle	5 (21.74%)
Cellular component	plastid	3 (13.04%)
Cellular component	microtubule cytoskeleton	2 (8.7%)
Cellular component	intrinsic component of membrane	1 (4.35%)
Cellular component	cell−cell junction	1 (4.35%)
Molecular function	structural molecule activity	11 (31.43%)
Molecular function	metal ion binding	6 (17.14%)
Molecular function	purine ribonucleoside binding	4 (11.43%)
Molecular function	catalytic activity	3 (8.57%)
Molecular function	oxidoreductase activity	3 (8.57%)
Molecular function	binding	2 (5.71%)
Molecular function	nucleic acid binding	2 (5.71%)

CK_VS_ZG90

Category	Term	Count (Percent)
Biological process	primary metabolic process	5 (11.63%)
Biological process	gene expression	4 (9.3%)
Biological process	metabolic process	4 (9.3%)
Biological process	phosphate−containing compound metabolic process	2 (4.65%)
Biological process	histone lysine methylation	1 (2.33%)
Cellular component	intrinsic component of membrane	12 (40%)
Cellular component	membrane	5 (16.67%)
Cellular component	intracellular membrane−bounded organelle	4 (13.33%)
Cellular component	plastid	3 (10%)
Molecular function	purine ribonucleoside binding	5 (9.43%)
Molecular function	catalytic activity	4 (7.55%)
Molecular function	structural molecule activity	3 (5.66%)
Molecular function	binding	3 (5.66%)
Molecular function	oxidoreductase activity	3 (5.66%)
Molecular function	hydrolase activity	2 (3.77%)
Molecular function	protein kinase activity	2 (3.77%)
Molecular function	cation binding	2 (3.77%)
Molecular function	nucleic acid binding	1 (1.89%)

ZG50_VS_ZG90

Category	Term	Count (Percent)
Biological process	phosphate−containing compound metabolic process	17 (9.94%)
Biological process	gene expression	15 (8.77%)
Biological process	primary metabolic process	12 (7.02%)
Biological process	histone lysine methylation	10 (5.85%)
Biological process	metabolic process	9 (5.26%)
Cellular component	intrinsic component of membrane	32 (30.77%)
Cellular component	intracellular membrane−bounded organelle	22 (21.15%)
Cellular component	membrane	14 (13.46%)
Cellular component	cell−cell junction	10 (9.62%)
Cellular component	microtubule cytoskeleton	8 (7.69%)
Cellular component	plastid	7 (6.73%)
Molecular function	purine ribonucleoside binding	39 (20.63%)
Molecular function	catalytic activity	21 (11.11%)
Molecular function	binding	13 (6.88%)
Molecular function	hydrolase activity	12 (6.35%)
Molecular function	protein kinase activity	10 (5.29%)
Molecular function	cation binding	9 (4.76%)
Molecular function	nucleic acid binding	8 (4.23%)
Molecular function	oxidoreductase activity	7 (3.7%)
Molecular function	structural molecule activity	6 (3.17%)
Molecular function	metal ion binding	5 (2.65%)