

Table S2. Sequencing data information of *Coridius chinensis*

Sample	Group	Total reads	Clean reads	Filter(%)	GC(%)	Error rate(%)	Mapped reads(%)
WC_1	Wild control	41,680,574	34,994,760	16.0406	41.79	0.036	2,911(0.01%)
WC_2	Wild control	45,426,870	43,196,402	4.910019	43.02	0.0368	41,126,010(83.27%)
WC_3	Wild control	43,219,812	41,188,586	4.699757	41.14	0.0369	25,915,413(80.61%)
LT_1	Low temperature	56,372,316	55,714,172	1.167495	42.53	0.0098	45,449,932(81.58%)
LT_2	Low temperature	31,325,556	30,768,018	1.779818	41.4	0.0107	2,400,114(78.65%)
LT_3	Low temperature	52,312,890	50,686,344	3.109264	41.19	0.0318	40,084,064(79.08%)
JXC_1	Winter diapause	48,353,106	47,464,586	1.837566	46.17	0.0103	28,804,453(82.31%)
JXC_2	Winter diapause	50,538,466	49,388,140	2.27614	43.29	0.0109	32,400,549(75.01%)
JXC_3	Winter diapause	32,898,452	32,147,626	2.282253	45.28	0.0102	33,625,104(81.64%)