

Table 1 Summary of raw sequencing data quality

<b>Sample</b>	<b>Raw Reads</b>	<b>Bases</b>	<b>GC (%)</b>	<b>Q20</b>	<b>Q30</b>	<b>Avg.Quality</b>
CY1	45408372	6.811(GB)	49.93%	98.47%	95.36%	36.225
CY2	47347550	7.102(GB)	49.92%	98.48%	95.385%	36.235
CY3	48055218	7.208(GB)	49.845%	98.47%	95.37%	36.23
Con1	46469622	6.970(GB)	49.515%	98.47%	95.315%	36.225
Con2	51043052	7.656(GB)	49.575%	98.54%	95.515%	36.255
Con3	48788860	7.318(GB)	49.73%	98.47%	95.38%	36.23
Dix1	44309810	6.646(GB)	49.795%	98.485%	95.375%	36.235
Dix2	77508784	11.626(GB)	49.805%	98.5%	95.42%	36.24

Dix3	70611074	10.592(GB)	49.535%	98.505%	95.45%	36.245
MYH1	46483284	6.972(GB)	49.645%	98.495%	95.39%	36.235
MYH2	41433650	6.215(GB)	49.655%	98.485%	95.355%	36.23
MYH3	50955694	7.643(GB)	49.535%	98.485%	95.39%	36.235
MYL1	47422064	7.113(GB)	49.8%	98.515%	95.48%	36.245
MYL2	44106830	6.616(GB)	49.935%	98.33%	94.96%	36.16
MYL3	46100168	6.915(GB)	49.63%	98.44%	95.235%	36.21
MYM1	46221026	6.933(GB)	49.84%	98.54%	95.545%	36.26
MYM2	47243940	7.087(GB)	50.045%	98.58%	95.61%	36.27
MYM3	45979358	6.897(GB)	49.81%	98.425%	95.235%	36.205

SIDR1	48547242	7.282(GB)	49.475%	98.435%	95.235%	36.21
SIDR2	41769560	6.265(GB)	49.6%	98.535%	95.495%	36.255
SIDR3	44804024	6.721(GB)	49.635%	98.445%	95.245%	36.21

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Table 2 The number of DEGs in different groups VS diabetic rats

Group	Total DEGs	DEGs of up	DEGs of down
Con vs SIDR	248	148	100
CY vs SIDR	312	117	195
MYH vs SIDR	350	197	153
MYM vs SIDR	20	7	13
MYL vs SIDR	51	27	24
Dix vs SIDR	156	68	88

Fig. 1 (A): GO enrichment of all DEGs in CY group VS SIDR group. (B): GO enrichment of all DEGs in MY-H group VS SIDR group. BP: biological process; CC: cellular component; MF: molecular function.

