

**Supplementary Table 6.** The JTK\_CYCLE analysis of circadian fluctuations in hepatic glucose metabolism related genes in DFAM rats (related to Fig 5).

Hepatic glucose metabolism related gene	Control			DFAM		
	<i>p</i> -value	Peak time (ZT)	Amplitude	<i>p</i> -value	Peak time (ZT)	Amplitude
GCK	0.000	22	45.388	0.000	0	54.268
PFKL	0.012	18	13.813	0.061	20	12.178
LPK	0.061	2	7.416	0.054	6	12.695
G6PC	0.037	2	31.531	0.000	6	41.945
PEPCK	0.003	8	28.313	0.002	10	25.799
TAT	0.002	16	27.469	0.943	18	6.548