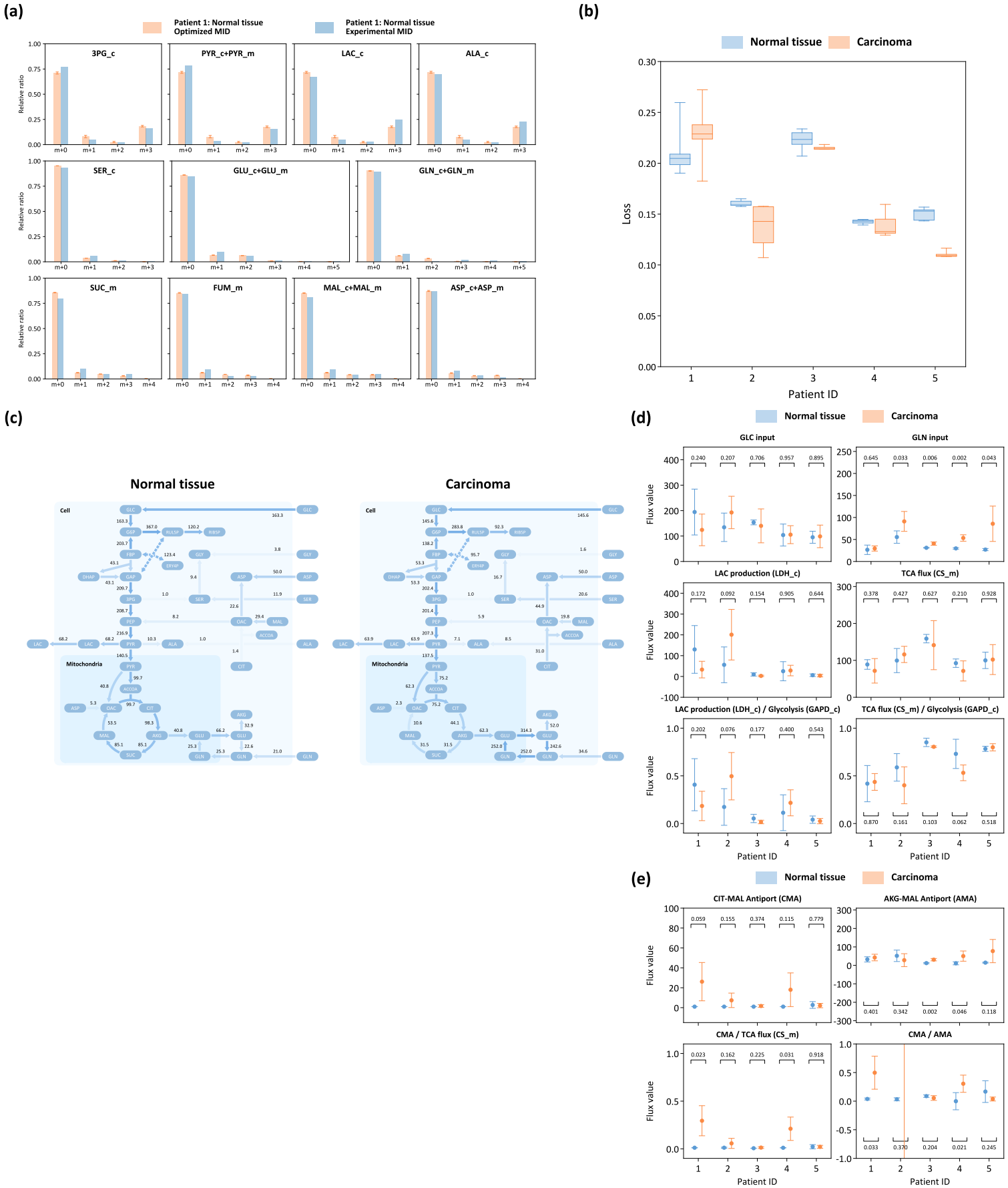
Figure S4


(a)
Patient 1: Normal tissue Optimized MID
Patient 1: Normal tissue Experimental MID
3PG_c
PYR_c+PYR_m
LAC_c
ALA_c
SER_c
GLU_c+GLU_m
GLN_c+GLN_m
SUC_m
FUM_m
MAL_c+MAL_m
ASP_c+ASP_m
Relative ratio
(b)
Normal tissue
Carcinoma
Loss
Patient ID
(c)
Normal tissue
Carcinoma
Cell
Mitochondria
(d)
Normal tissue
Carcinoma
GLC input
GLN input
LAC production (LDH_c)
TCA flux (CS_m)
LAC production (LDH_c) / Glycolysis (GAPD_c)
TCA flux (CS_m) / Glycolysis (GAPD_c)
Flux value
Patient ID
(e)
Normal tissue
Carcinoma
CIT-MAL Antiport (CMA)
AKG-MAL Antiport (AMA)
CMA / TCA flux (CS_m)
CMA / AMA
Flux value
Patient ID