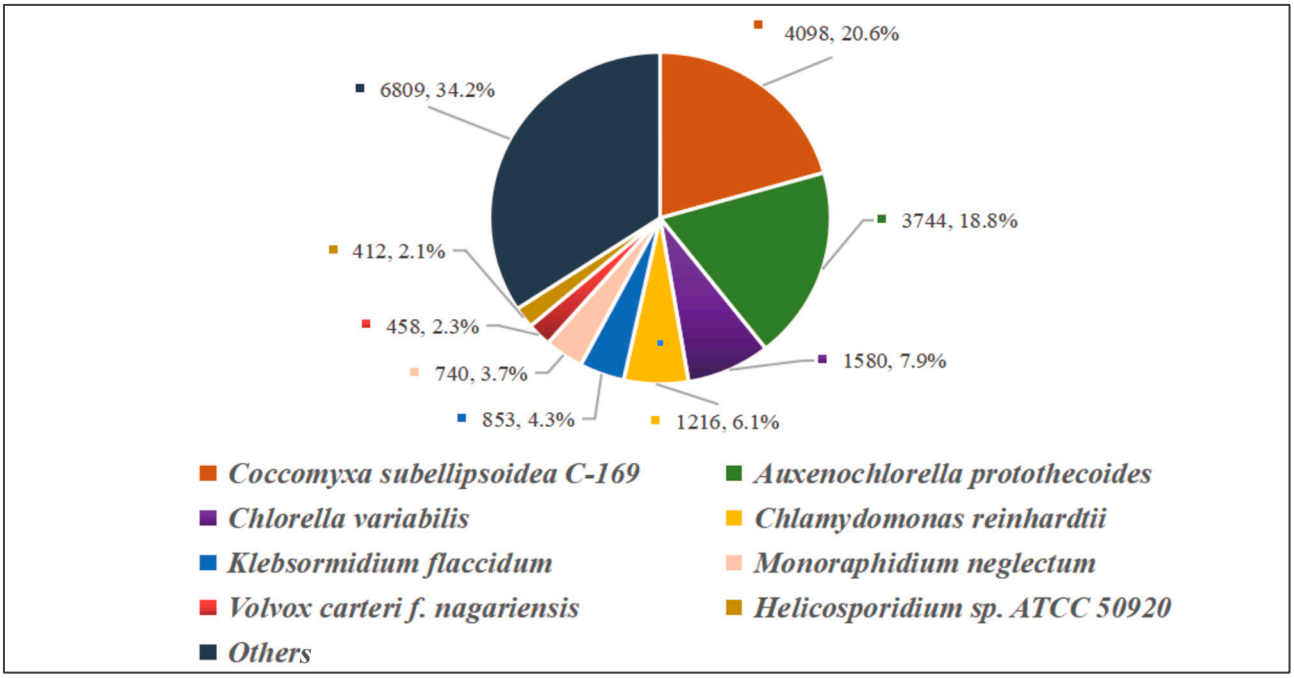
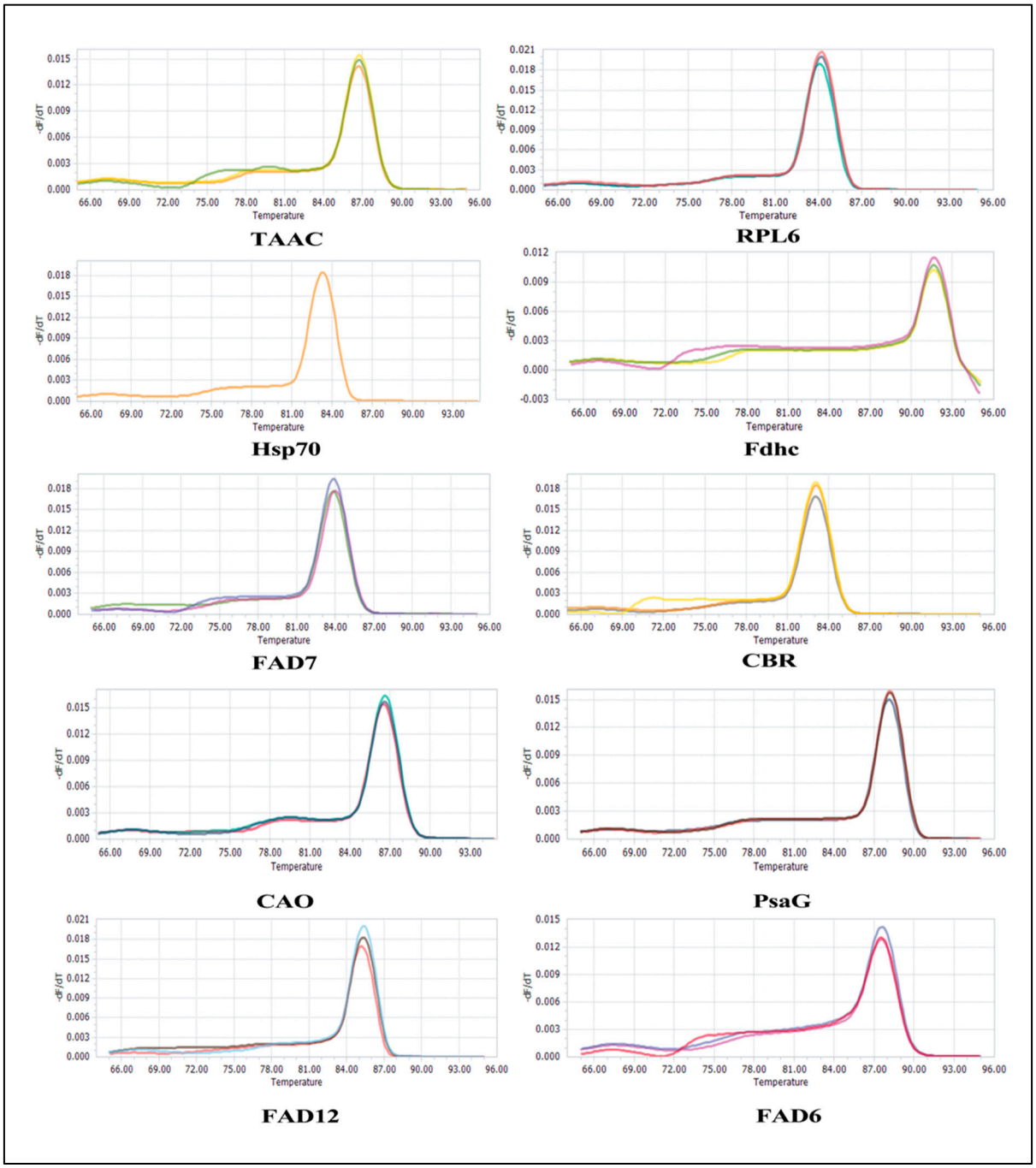
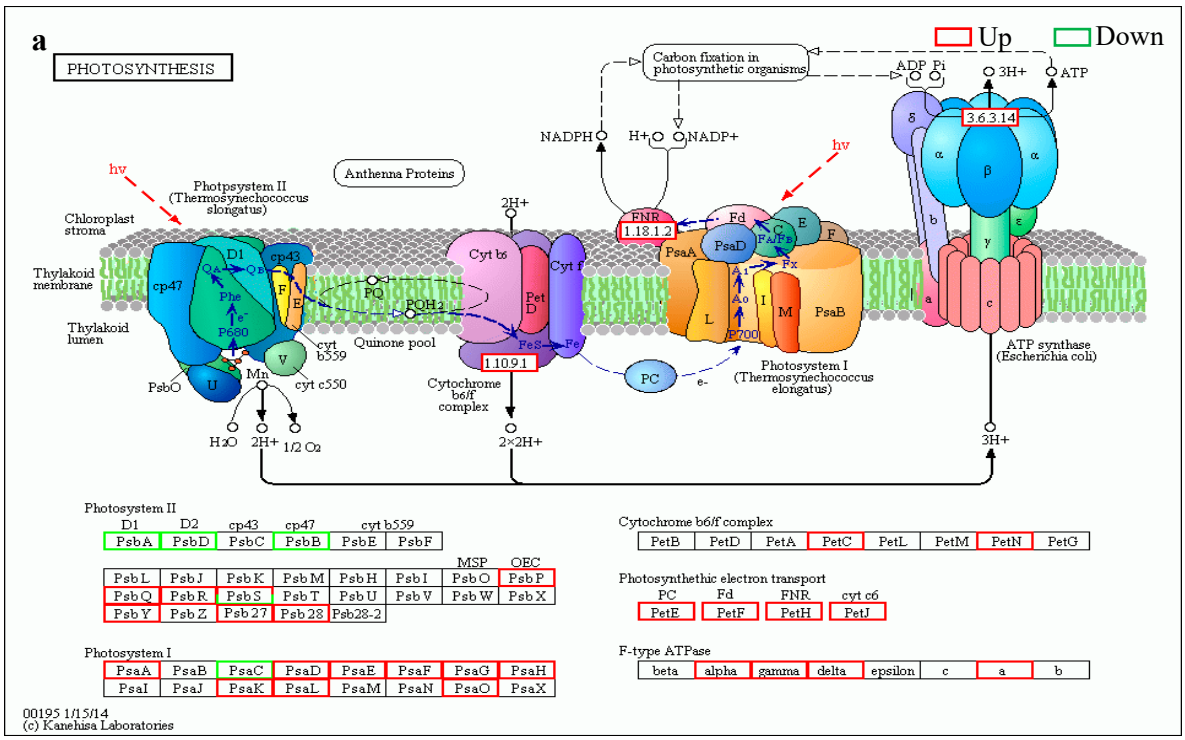
Supplementary Figure S1. Nr species comparison chart of *Oocystis borgei* RNA-Seq

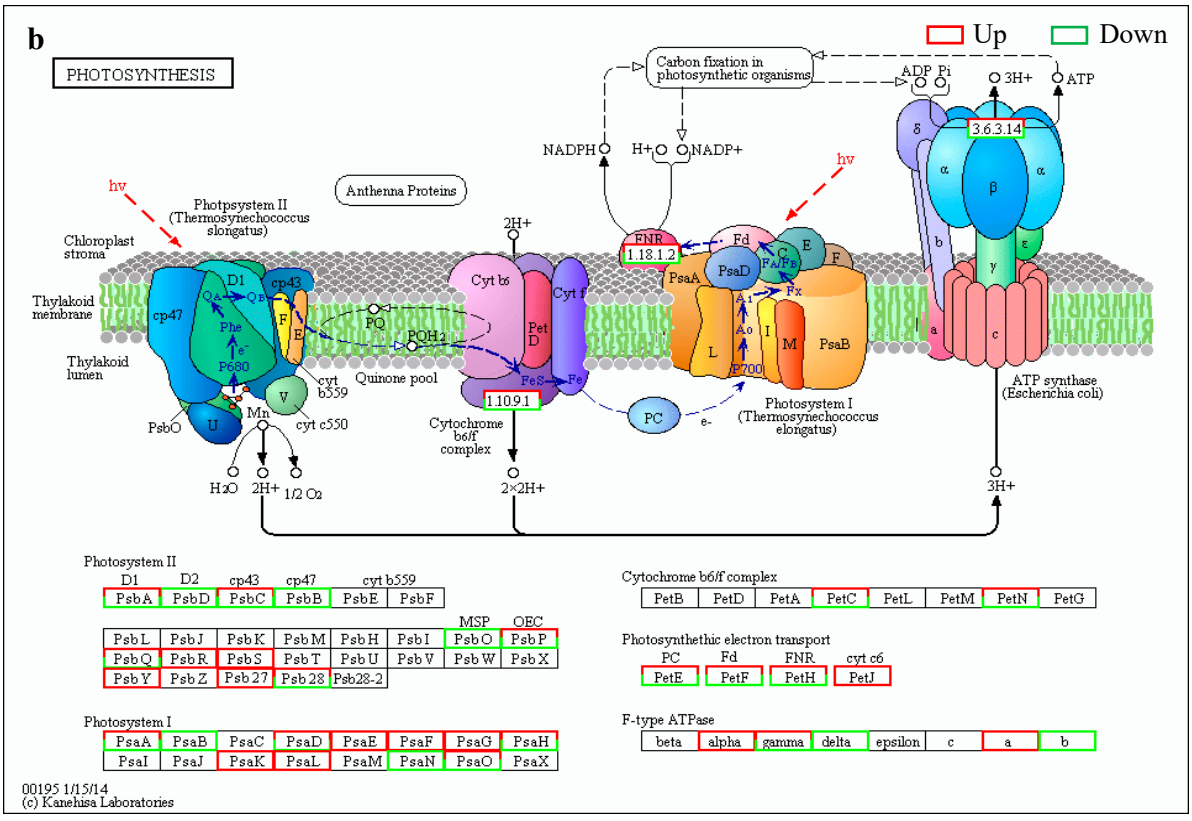


Supplementary Figure S2. Melting curve of RT-qPCR primer



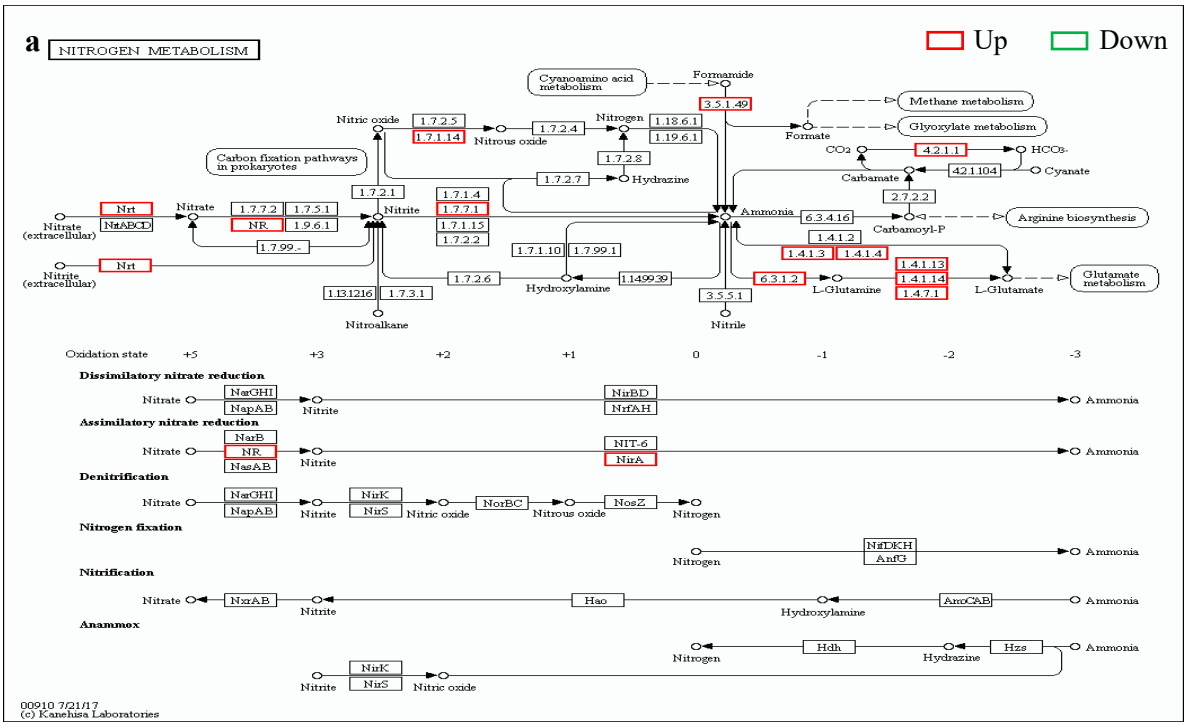
Note: 3 technical repetitions for each primer pair

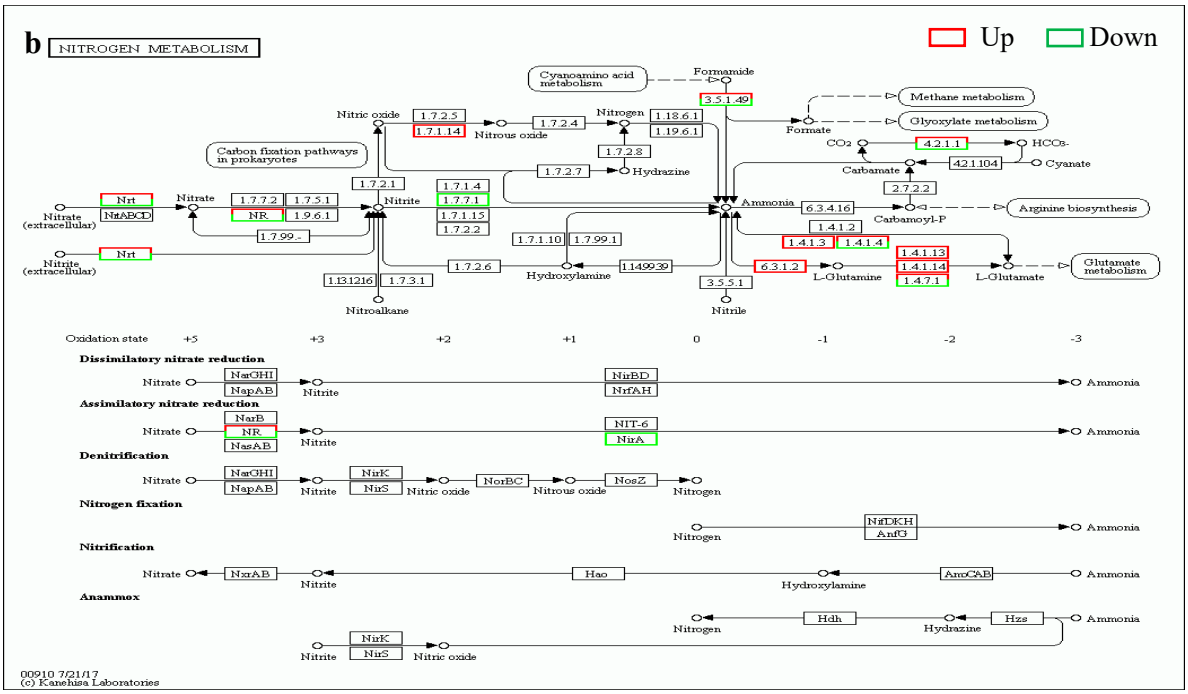




Supplementary Figure S3. Photosynthesis (a) LT vs NT; (b) HT vs NT

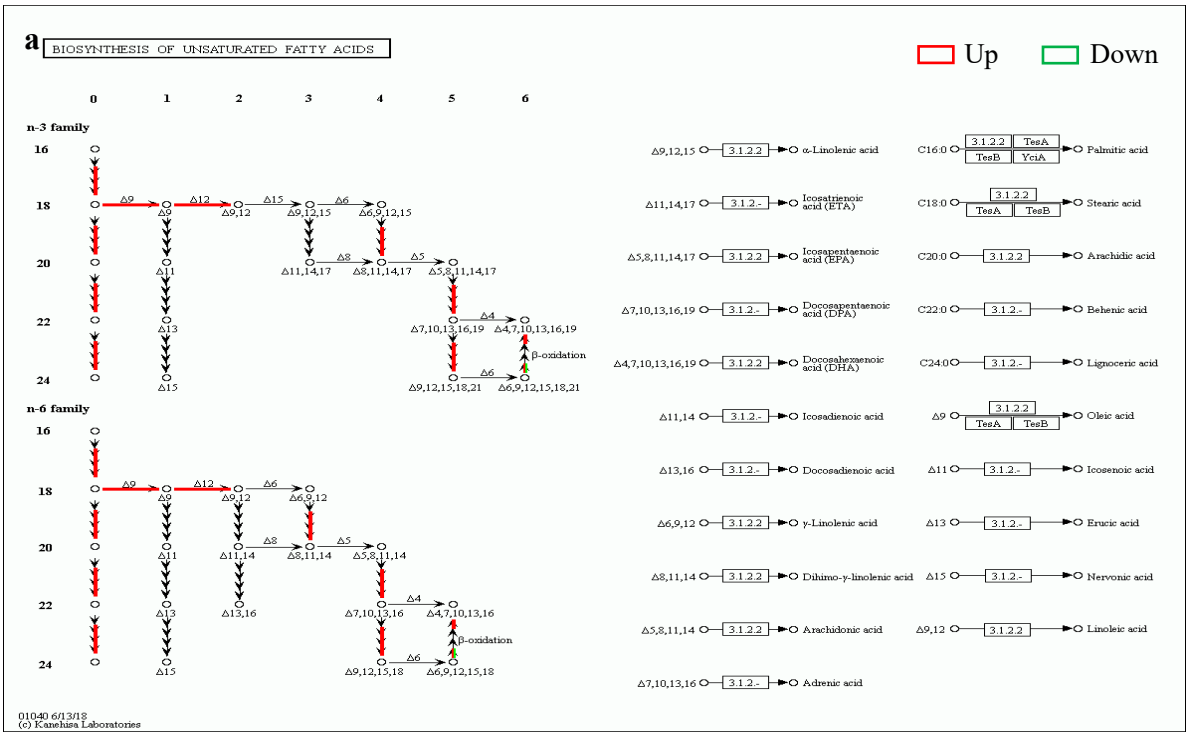
Note: ("A vs B" is B normalized to A)

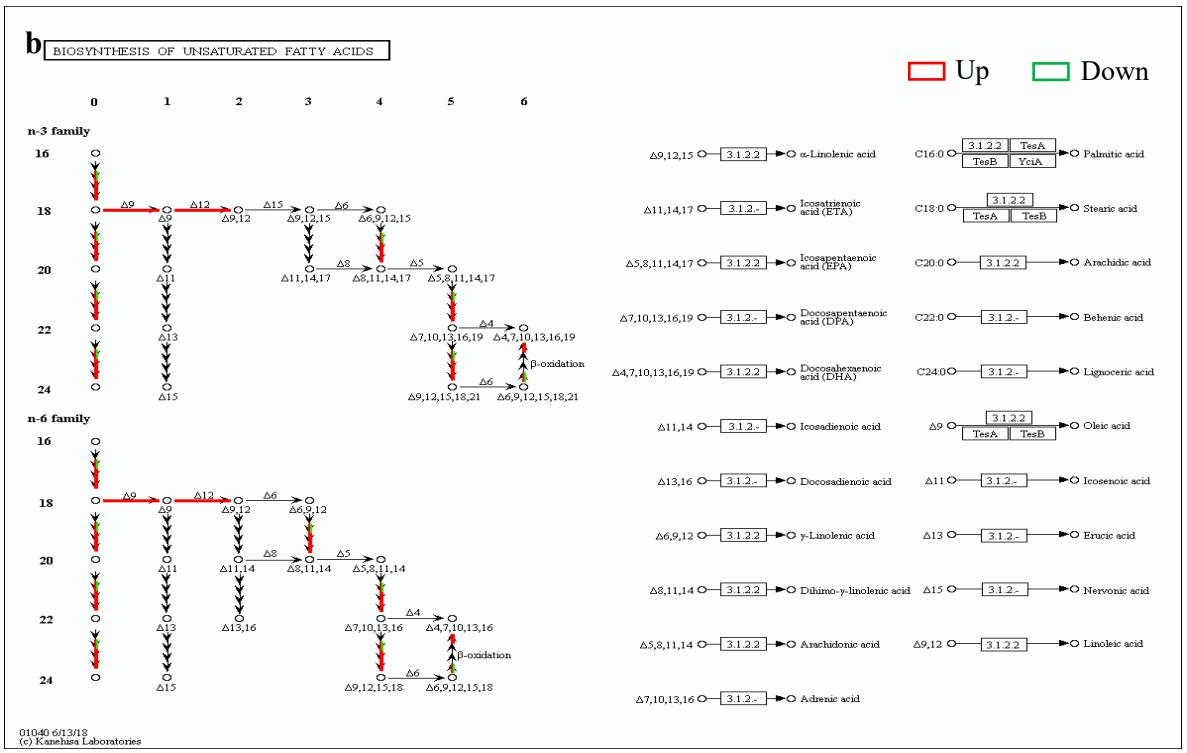




Supplementary Figure S4. Nitrogen metabolism pathway (a) LT vs NT; (b) HT vs NT

Note: ("A vs B" is B normalized to A)





Supplementary Figure S5. Unsaturated fat acid synthesis pathway (a) LT vs NT; (b) HT vs NT

Note: ("A vs B" is B normalized to A)