

### Additional file 3. Aspartate and histidine amino acid families' biosynthetic pathways behavior under different oxygen conditions.

The metabolite level bars in the graphs are the average and the standard error from at least 4 measurements. The control and the Fab-expressing strain are represented by black-grey and yellow bars respectively. Oxygenation conditions from normoxic to oxygen-limited conditions are represented as light to dark color scale. The mRNA data are indicated as m plus the specific reaction name. Each graph has its own scale

