

### Supplementary file 1. Biomass macromolecular composition for *P. pastoris*

Macromolecular formula for the reference and two Rol-producing *P. pastoris* strains growing on glucose:methanol mixture (80:20) as a carbon source in chemostat cultures at a  $D = 0.09 \text{ h}^{-1}$ , expressed as C-molecular formula.

<b>Strain</b>	<b>Protein</b> Cmol/g CDW	<b>Carbohydrate</b> Cmol/g CDW	<b>Lipids*</b> Cmol/g CDW	<b>RNA*</b> Cmol/g CDW	<b>DNA*</b> Cmol/g CDW
<i>X-33 control</i>	0.61 ± 0.01	0.31 ± 0.01	0.03 ± 0.03	0.05 ± 0.006	0.001 ± 0.0001
<i>ROL 1-copy</i>	0.52 ± 0.03	0.35 ± 0.02	0.08 ± 0.04	0.06 ± 0.003	0.001 ± 0.0001
<i>ROL 2-copy</i>	0.51 ± 0.03	0.34 ± 0.02	0.09 ± 0.05	0.05 ± 0.003	0.001 ± 0.0001

\* calculated values