



Fig. 10. Significant HOSVD subtensors before rotation of the approximately degenerate subtensor spaces $\mathcal{S}(4, 2 + 3, 1)$, $\mathcal{S}(5 + 2, 1, 3)$, $\mathcal{S}(8 + 2, 4, 3)$, and $\mathcal{S}(3 + 7, 2, 3)$. (a) Bar chart of the fractions of the 19 most significant subtensors. The higher-order singular values corresponding to subtensors highlighted in gray are < 0 . The entropy of the data tensor is 0.27. (b) Line-joined graphs of the first (red), second (blue), third (green), and fourth (orange) x -eigengenes, which define the expression variation across time in these subtensors. The time points are color-coded according to their cell cycle classification in the control time course: M/G₁ (yellow), G₁ (green), S (blue), S/G₂ (red), and G₂/M (orange). The grid lines mark the dissipation of the response to α -factor in the control time course (dashed) and the start of exposure to either HP or MD, at ≈ 20 and 25 min, respectively. (c) Line-joined graphs of the first y -eigengene (red), and the second (blue) and third (green) rotated y -eigengenes, which define the expression variation across the oxidative stress conditions.