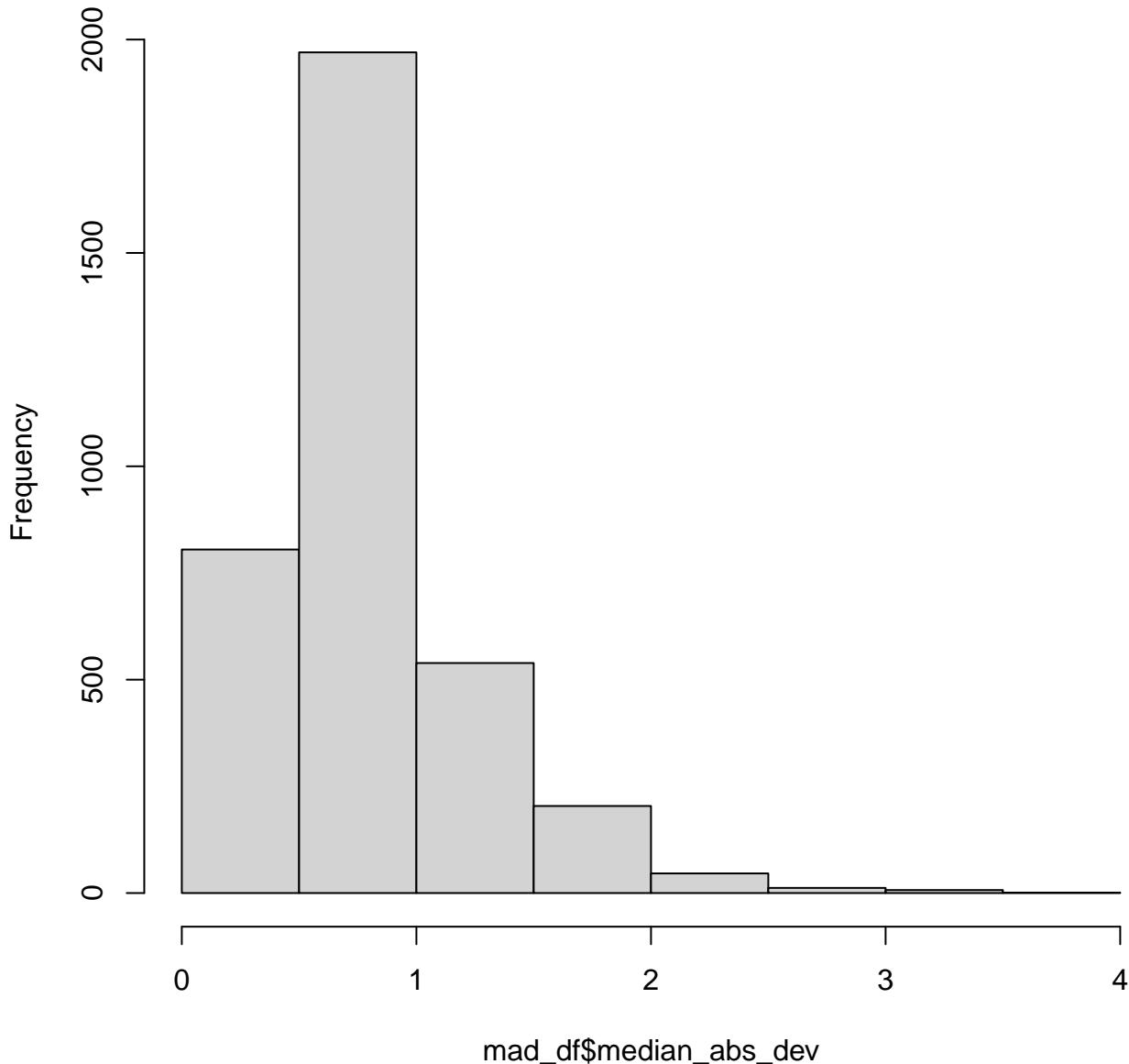
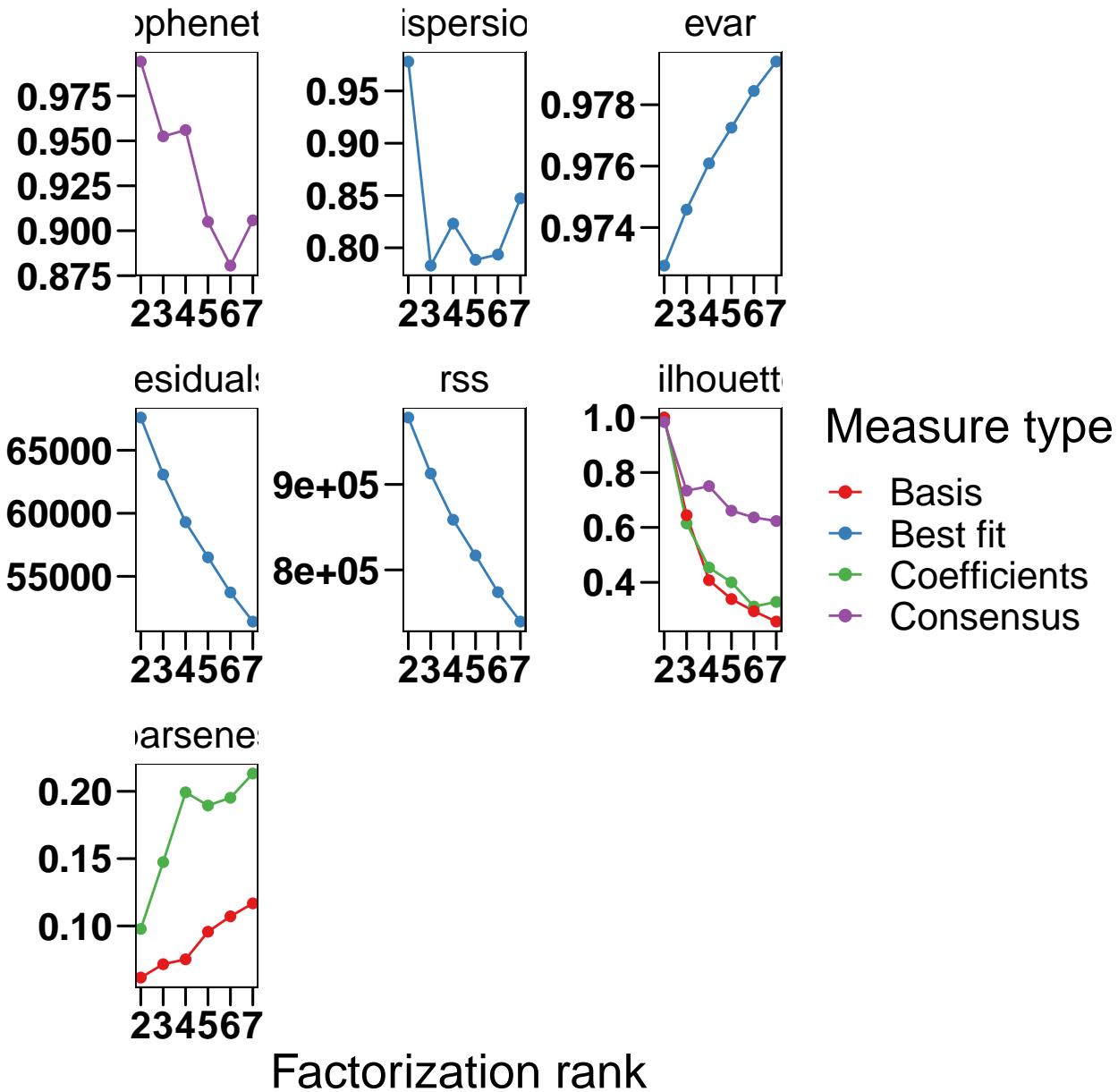
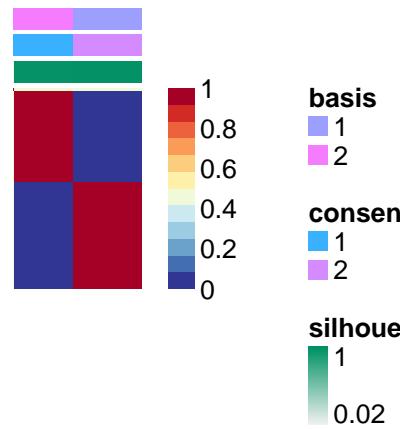
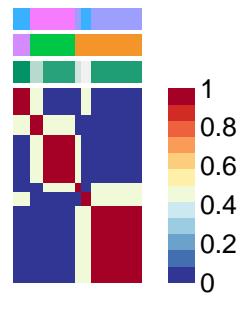
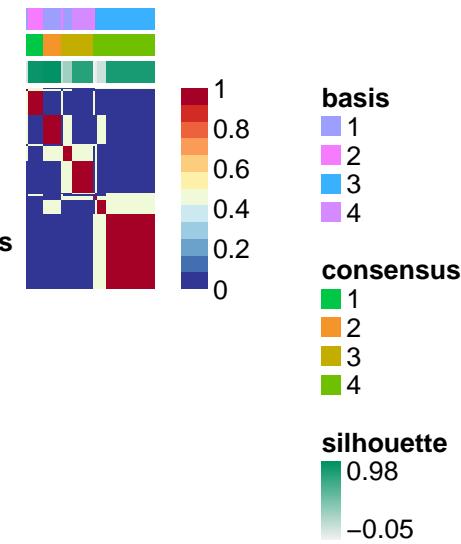
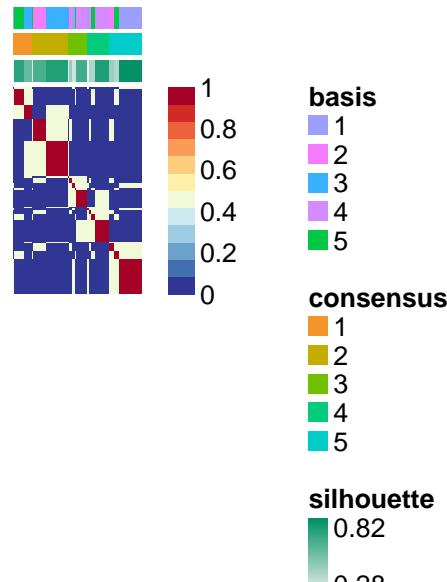
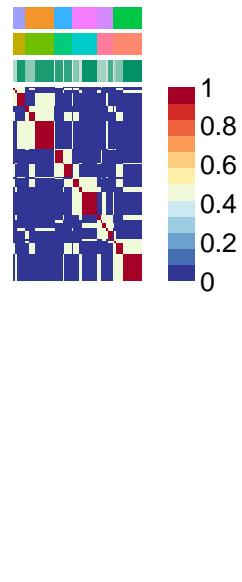
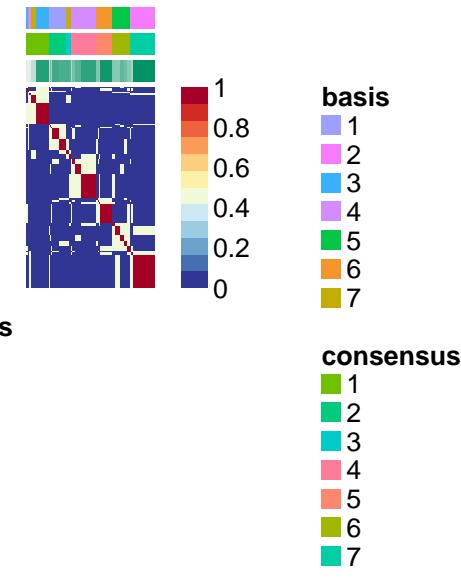


Histogram of mad_df\$median_abs_dev

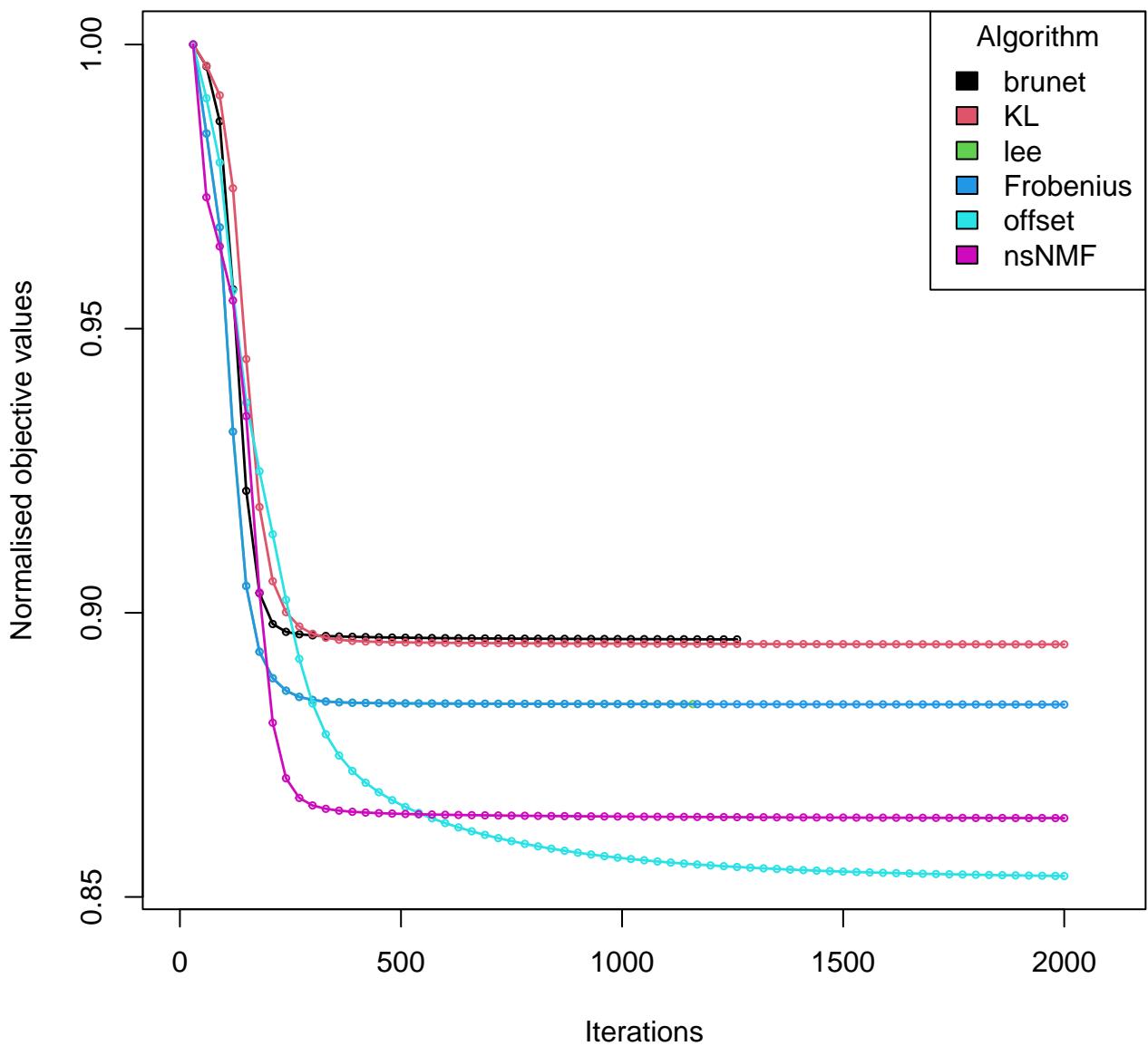


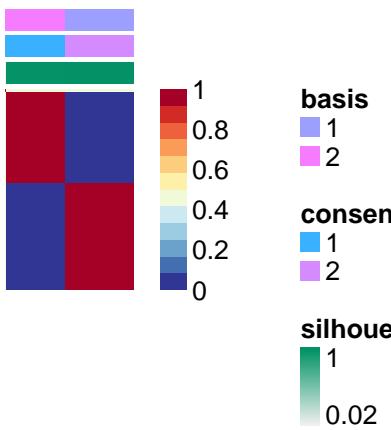
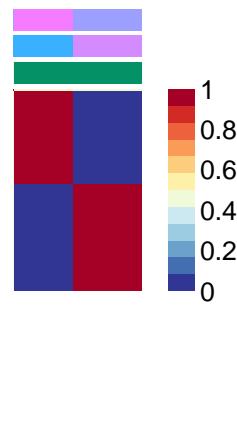
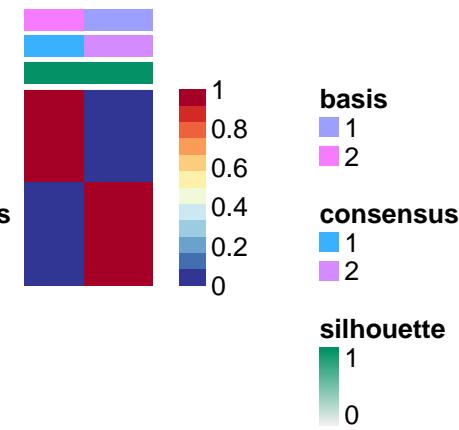
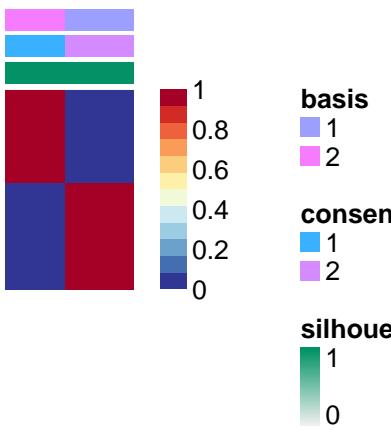
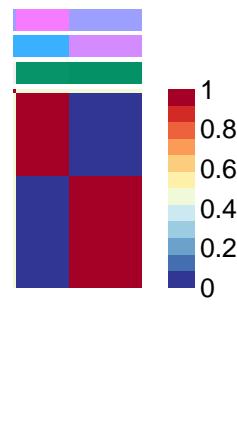
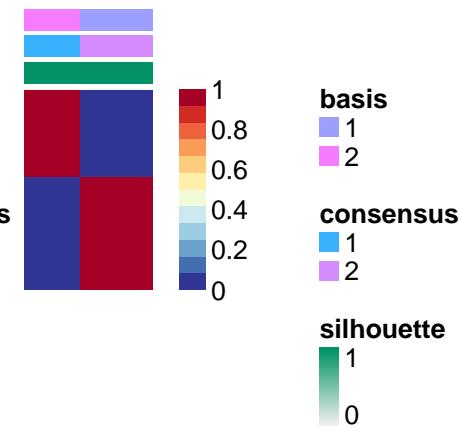
(a). NMF Rank Estimation



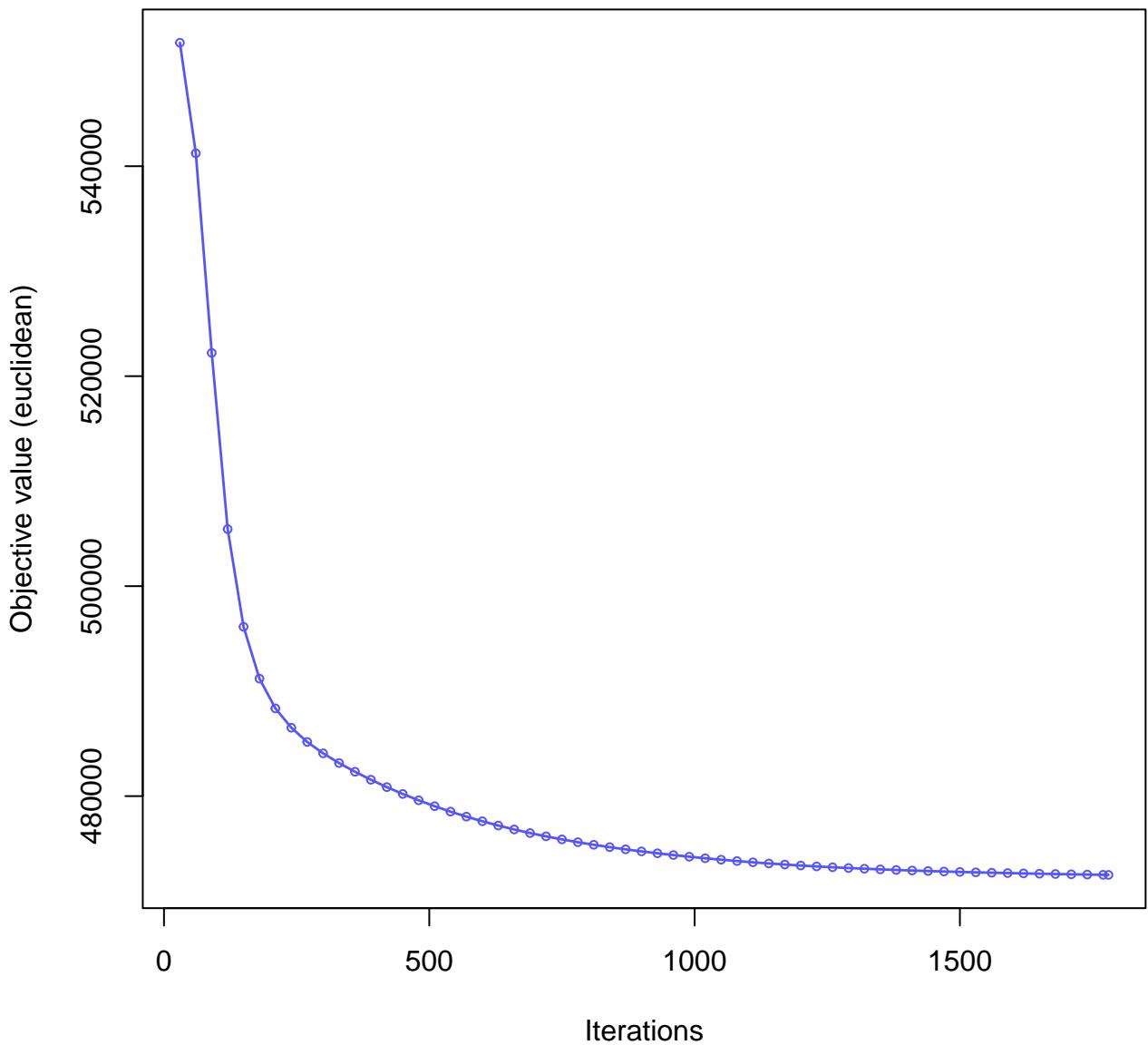
rank = 2**rank = 3****rank = 4****rank = 5****rank = 6****rank = 7**

NMF Residuals

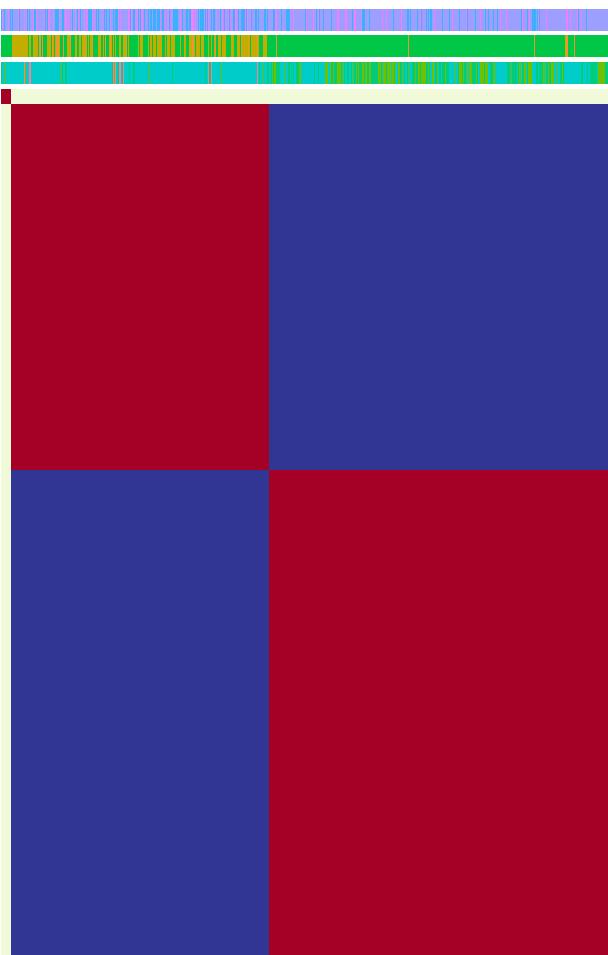


brunet**KL****lee****Frobenius****offset****nsNMF**

NMF Residuals
Method: offset – Rank: 2



UCEC Consensus Matrix (Rank = 2)



clinical_stage

- Stage_I
- Stage_II
- Stage_III
- Stage_IV

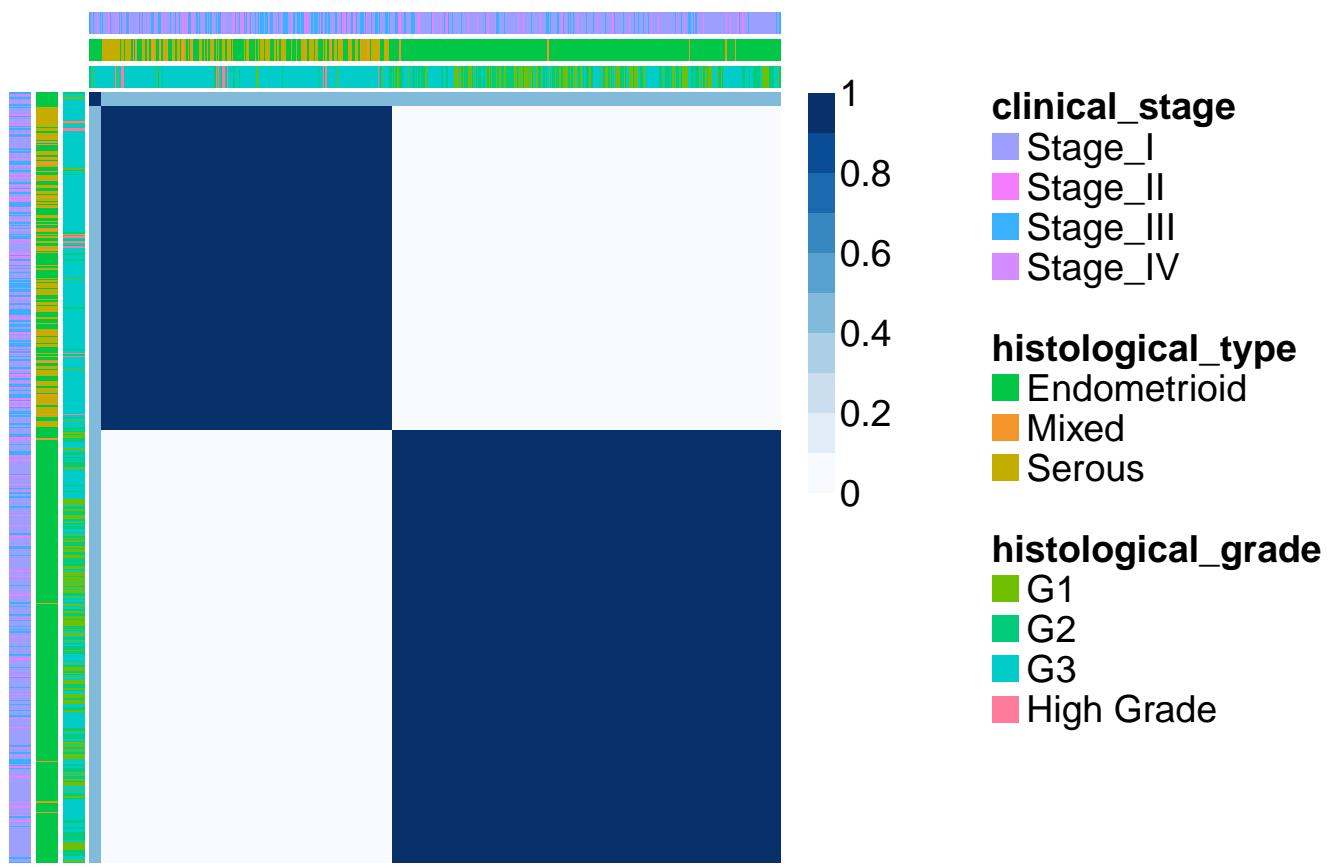
histological_type

- Endometrioid endometrial adenocarcinoma
- Mixed serous and endometrioid
- Serous endometrial adenocarcinoma

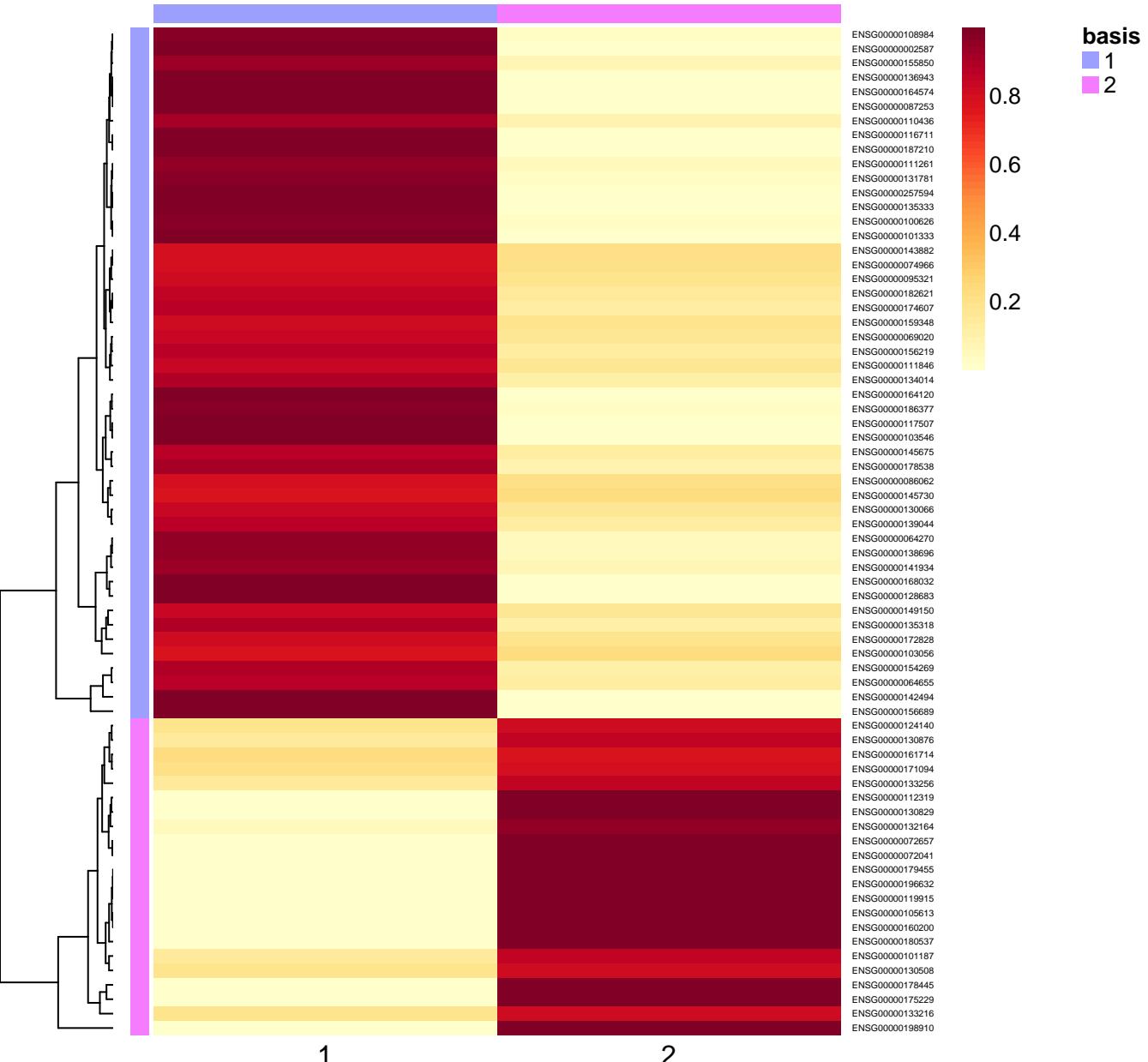
histological_grade

- G1
- G2
- G3
- High Grade

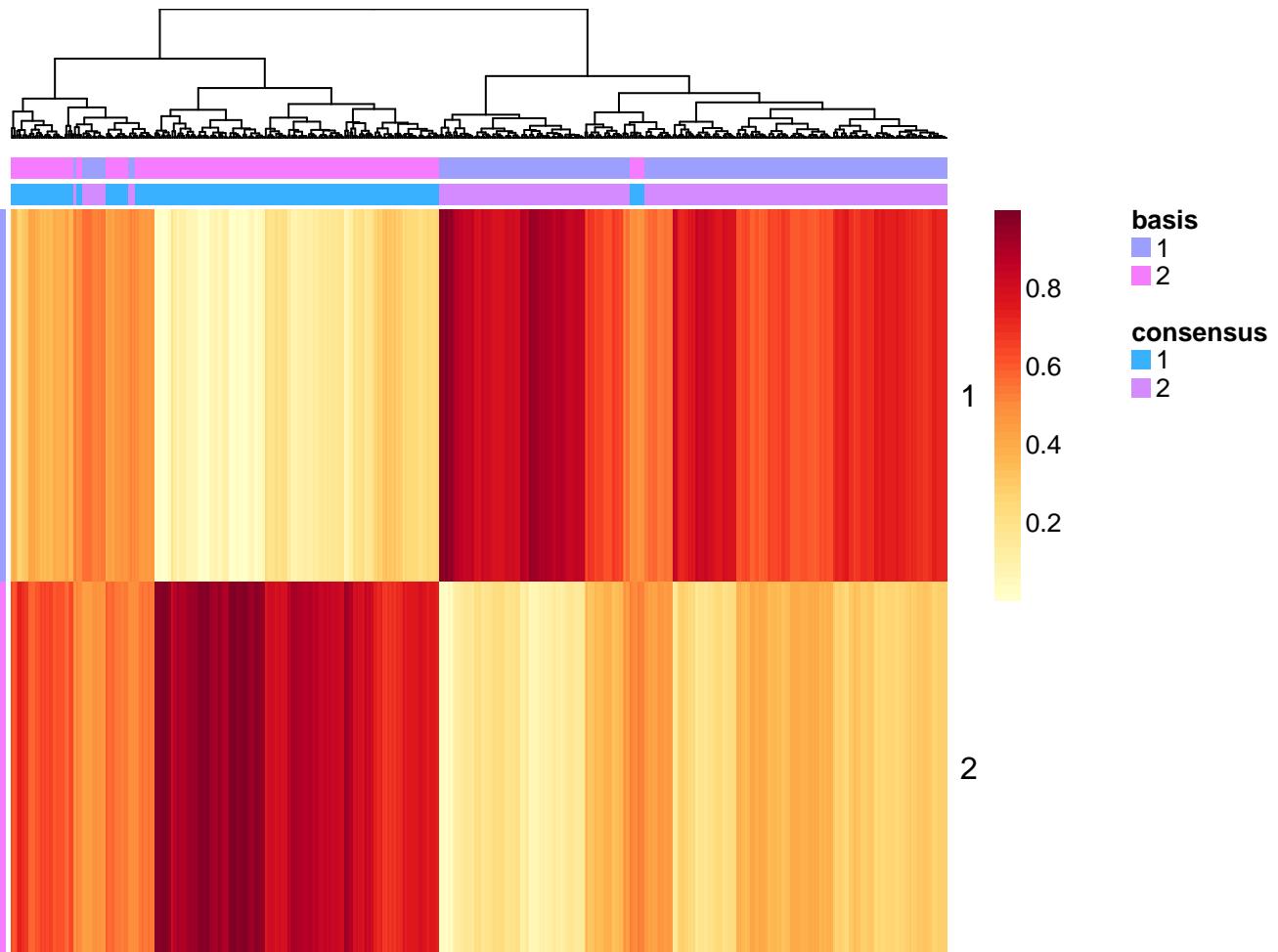
(b). Consensus Matrix



Basis components



Mixture coefficients



Basis components

