**Supplementary Table 4. Key features selected extracted from MRI data quantized with 64 levels.**

|  |  |  |  |
| --- | --- | --- | --- |
| **Rank** | **GOLM1** | **SETD7** | **RND1** |
| 1 | NGTDM\_CM (wa) | FOS\_KT (wd) | HoG\_SK |
| 2 | NGTDM\_CM (wd) | NGTDM\_CM (wh) | FOS\_SD (wv) |
| 3 | GLCM\_DS (wa) | GLRLM\_RLN (wd) | GLRLM\_LRLGLE (wa) |
| 4 | NGTDM\_CS | GLRLM\_LRLGLE (wh) | GLRLM\_LRLGLE (wv) |
| 5 | NGTDM\_ST (wa) | FOS\_SD (wv) | LBP\_B10 |
| 6 | GLSZM\_ZP (wd) | NGTDM\_CT (wv) | GLSZM\_LZHGLE (wa) |
| 7 | NGTDM\_ST | GLRLM\_LRLGLE | NM\_B3 |
| 8 | NGTDM\_CT (wh) | NGTDM\_ST (wh) | GLSZM\_LGLZE |
| 9 | NGTDM\_CM (wh) | GLCM\_ET | NGTDM\_ST (wh) |
| 10 | NGTDM\_BS (wa) | NGTDM\_CT (wh) | GLSZM\_LZLGLE (wv) |
| 11 | GLRLM\_LRLGLE | NGTDM\_CM (wd) | NGTDM\_CT (wv) |
| 12 | GLSZM\_LGLZE | GLSZM\_LZHGLE (wa) | GLSZM\_SZLGLE (wh) |
| 13 | NGTDM\_ST (wh) | GLSZM\_LGLZE | GLCM\_ET |
| 14 | GLRLM\_LRLGLE (wv) | GLCM\_HG | GLSZM\_HGLZE |
| 15 | NGTDM\_CS (wh) | GLCM\_DS (wa) | GLCM\_HG |
| 16 | GLSZM\_LZLGLE (wv) | NGTDM\_CS (wh) | GLRLM\_RLN (wd) |
| 17 | GLRLM\_LRLGLE (wa) | GLRLM\_SRE | NGTDM\_CT (wh) |
| 18 | FOS\_KT (wd) | NGTDM\_CS (wv) | NGTDM\_BS (wv) |
| 19 | LBP\_B10 | NGTDM\_ST | GLCM\_DS (wa) |
| 20 | GLSZM\_HGLZE | GLSZM\_HGLZE | GLRLM\_SRE |

See Supplementary Tables 1 and 2 for lists of abbreviations.