

Supplementary Table 3. Supplementary Table for pairwise comparison of features in Table 4

Supplementary Table 4-1. Monthly headache frequency (longitudinal)

| | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 |
|----|----|--------|--------|--------|--------|--------|--------|--------|--------|
| C1 | - | <0.001 | 0.380 | <0.001 | <0.001 | <0.001 | >0.999 | <0.001 | <0.001 |
| C2 | | - | <0.001 | >0.999 | >0.999 | >0.999 | <0.001 | >0.999 | 0.900 |
| C3 | | | - | <0.001 | <0.001 | <0.001 | >0.999 | <0.001 | <0.001 |
| C4 | | | | - | 0.229 | >0.999 | <0.001 | >0.999 | 0.002 |
| C5 | | | | | - | >0.999 | <0.001 | >0.999 | >0.999 |
| C6 | | | | | | - | <0.001 | >0.999 | 0.029 |
| C7 | | | | | | | - | <0.001 | <0.001 |
| C8 | | | | | | | | - | >0.999 |
| C9 | | | | | | | | | - |

Supplementary Table 4-2. Monthly headache frequency (category)

| | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 |
|----|----|--------|--------|--------|--------|--------|--------|--------|--------|
| C1 | - | <0.001 | 0.446 | <0.001 | <0.001 | <0.001 | >0.999 | <0.001 | <0.001 |
| C2 | | - | <0.001 | >0.999 | >0.999 | >0.999 | 0.002 | >0.999 | 0.285 |
| C3 | | | - | <0.001 | <0.001 | <0.001 | >0.999 | <0.001 | <0.001 |
| C4 | | | | - | >0.999 | >0.999 | <0.001 | >0.999 | 0.085 |
| C5 | | | | | - | >0.999 | <0.001 | >0.999 | >0.999 |
| C6 | | | | | | - | <0.001 | >0.999 | 0.082 |
| C7 | | | | | | | - | <0.001 | <0.001 |
| C8 | | | | | | | | - | >0.999 |
| C9 | | | | | | | | | - |

Supplementary Table 4-3. VARS score

| | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 |
|----|----|--------|--------|--------|--------|--------|--------|--------|--------|
| C1 | - | >0.999 | >0.999 | 0.640 | >0.999 | 0.187 | >0.999 | >0.999 | 0.206 |
| C2 | | - | >0.999 | >0.999 | >0.999 | >0.999 | >0.999 | >0.999 | >0.999 |
| C3 | | | - | >0.999 | >0.999 | 0.411 | >0.999 | >0.999 | 0.767 |
| C4 | | | | - | >0.999 | >0.999 | >0.999 | >0.999 | >0.999 |
| C5 | | | | | - | >0.999 | >0.999 | >0.999 | >0.999 |
| C6 | | | | | | - | >0.999 | >0.999 | >0.999 |
| C7 | | | | | | | - | >0.999 | >0.999 |
| C8 | | | | | | | | - | >0.999 |
| C9 | | | | | | | | | - |

Supplementary Table 4-4. HIT-6 score

| | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 |
|----|----|--------|--------|--------|--------|--------|--------|--------|--------|
| C1 | - | <0.001 | 0.007 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| C2 | | - | <0.001 | <0.001 | >0.999 | >0.999 | >0.999 | >0.999 | >0.999 |
| C3 | | | - | <0.001 | <0.001 | <0.001 | <0.001 | 0.010 | <0.001 |
| C4 | | | | - | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| C5 | | | | | - | 0.081 | >0.999 | >0.999 | >0.999 |
| C6 | | | | | | - | <0.001 | 0.014 | 0.002 |
| C7 | | | | | | | - | >0.999 | >0.999 |
| C8 | | | | | | | | - | >0.999 |
| C9 | | | | | | | | | - |

(Continued on the next page)

Supplementary Table 3. Continued

Supplementary Table 4-5. MIDAS score

| | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 |
|----|----|-------|--------|--------|--------|--------|--------|--------|--------|
| C1 | - | 0.002 | >0.999 | <0.001 | <0.001 | <0.001 | >0.999 | 0.151 | <0.001 |
| C2 | | - | 0.012 | 0.625 | >0.999 | >0.999 | >0.999 | >0.999 | >0.999 |
| C3 | | | - | <0.001 | 0.001 | <0.001 | >0.999 | 0.606 | <0.001 |
| C4 | | | | - | 0.005 | >0.999 | <0.001 | 0.007 | <0.001 |
| C5 | | | | | - | 0.670 | >0.999 | >0.999 | >0.999 |
| C6 | | | | | | - | 0.020 | 0.474 | 0.002 |
| C7 | | | | | | | - | >0.999 | >0.999 |
| C8 | | | | | | | | - | >0.999 |
| C9 | | | | | | | | | - |

Supplementary Table 4-6. Anxiety

| | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 |
|----|----|-------|--------|--------|--------|--------|--------|--------|--------|
| C1 | - | 0.490 | >0.999 | <0.001 | 0.119 | <0.001 | 0.091 | 0.005 | <0.001 |
| C2 | | - | >0.999 | >0.999 | >0.999 | >0.999 | >0.999 | >0.999 | >0.999 |
| C3 | | | - | <0.001 | >0.999 | <0.001 | 0.898 | 0.055 | 0.155 |
| C4 | | | | - | 0.169 | >0.999 | >0.999 | >0.999 | 0.173 |
| C5 | | | | | - | 0.307 | >0.999 | >0.999 | >0.999 |
| C6 | | | | | | - | >0.999 | >0.999 | 0.291 |
| C7 | | | | | | | - | >0.999 | >0.999 |
| C8 | | | | | | | | - | >0.999 |
| C9 | | | | | | | | | - |

Supplementary Table 4-7. Depression

| | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 |
|----|----|--------|--------|--------|--------|--------|--------|--------|--------|
| C1 | - | >0.999 | >0.999 | 0.008 | >0.999 | <0.001 | >0.999 | >0.999 | >0.999 |
| C2 | | - | 0.346 | >0.999 | >0.999 | >0.999 | >0.999 | >0.999 | >0.999 |
| C3 | | | - | 0.002 | 0.324 | <0.001 | >0.999 | 0.256 | >0.999 |
| C4 | | | | - | >0.999 | >0.999 | >0.999 | >0.999 | 0.304 |
| C5 | | | | | - | >0.999 | >0.999 | >0.999 | >0.999 |
| C6 | | | | | | - | >0.999 | >0.999 | 0.067 |
| C7 | | | | | | | - | >0.999 | >0.999 |
| C8 | | | | | | | | - | >0.999 |
| C9 | | | | | | | | | - |

Supplementary Table 4-8. Cutaneous allodynia

| | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 |
|----|----|-------|--------|--------|--------|--------|--------|--------|--------|
| C1 | - | 0.001 | >0.999 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| C2 | | - | 0.273 | 0.911 | >0.999 | >0.999 | >0.999 | >0.999 | >0.999 |
| C3 | | | - | <0.001 | 0.230 | <0.001 | 0.129 | 0.241 | 0.294 |
| C4 | | | | - | <0.001 | >0.999 | 0.277 | 0.519 | <0.001 |
| C5 | | | | | - | 0.041 | >0.999 | >0.999 | >0.999 |
| C6 | | | | | | - | >0.999 | >0.999 | <0.001 |
| C7 | | | | | | | - | >0.999 | >0.999 |
| C8 | | | | | | | | - | >0.999 |
| C9 | | | | | | | | | - |

(Continued on the next page)

Supplementary Table 3. Continued

Supplementary Table 4-9. Fatigue

| | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 |
|----|----|--------|--------|--------|--------|--------|--------|--------|--------|
| C1 | - | >0.999 | >0.999 | <0.001 | <0.001 | <0.001 | >0.999 | >0.999 | <0.001 |
| C2 | | - | >0.999 | 0.218 | >0.999 | 0.067 | >0.999 | >0.999 | >0.999 |
| C3 | | | - | <0.001 | 0.047 | <0.001 | >0.999 | >0.999 | 0.418 |
| C4 | | | | - | >0.999 | >0.999 | 0.044 | 0.315 | 0.025 |
| C5 | | | | | - | 0.616 | >0.999 | >0.999 | >0.999 |
| C6 | | | | | | - | 0.020 | 0.109 | 0.006 |
| C7 | | | | | | | - | >0.999 | >0.999 |
| C8 | | | | | | | | - | >0.999 |
| C9 | | | | | | | | | - |

Supplementary Table 4-10. Excessive daytime sleepiness

| | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 |
|----|----|--------|--------|--------|--------|--------|--------|--------|--------|
| C1 | - | >0.999 | >0.999 | >0.999 | >0.999 | 0.006 | >0.999 | >0.999 | >0.999 |
| C2 | | - | >0.999 | >0.999 | >0.999 | >0.999 | >0.999 | >0.999 | >0.999 |
| C3 | | | - | >0.999 | >0.999 | >0.999 | >0.999 | >0.999 | >0.999 |
| C4 | | | | - | >0.999 | >0.999 | >0.999 | >0.999 | >0.999 |
| C5 | | | | | - | >0.999 | >0.999 | >0.999 | >0.999 |
| C6 | | | | | | - | >0.999 | >0.999 | 0.932 |
| C7 | | | | | | | - | >0.999 | >0.999 |
| C8 | | | | | | | | - | >0.999 |
| C9 | | | | | | | | | - |

Supplementary Table 4-11. Fibromyalgia

| | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 |
|----|----|-------|--------|--------|--------|--------|--------|--------|--------|
| C1 | - | 0.299 | >0.999 | <0.001 | 0.512 | <0.001 | >0.999 | >0.999 | >0.999 |
| C2 | | - | 0.346 | >0.999 | >0.999 | >0.999 | >0.999 | >0.999 | >0.999 |
| C3 | | | - | <0.001 | 0.803 | 0.003 | >0.999 | >0.999 | >0.999 |
| C4 | | | | - | >0.999 | >0.999 | >0.999 | >0.999 | 0.022 |
| C5 | | | | | - | >0.999 | >0.999 | >0.999 | >0.999 |
| C6 | | | | | | - | >0.999 | >0.999 | 0.056 |
| C7 | | | | | | | - | >0.999 | >0.999 |
| C8 | | | | | | | | - | >0.999 |
| C9 | | | | | | | | | - |

Supplementary Table 4-12. Poor sleep quality

| | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 |
|----|----|--------|--------|--------|--------|--------|--------|--------|--------|
| C1 | - | >0.999 | >0.999 | <0.001 | >0.999 | <0.001 | >0.999 | >0.999 | >0.999 |
| C2 | | - | 0.443 | >0.999 | >0.999 | >0.999 | >0.999 | >0.999 | >0.999 |
| C3 | | | - | <0.001 | 0.886 | <0.001 | >0.999 | >0.999 | >0.999 |
| C4 | | | | - | 0.168 | >0.999 | >0.999 | >0.999 | 0.005 |
| C5 | | | | | - | 0.650 | >0.999 | >0.999 | >0.999 |
| C6 | | | | | | - | >0.999 | >0.999 | 0.048 |
| C7 | | | | | | | - | >0.999 | >0.999 |
| C8 | | | | | | | | - | >0.999 |
| C9 | | | | | | | | | - |

(Continued on the next page)

Supplementary Table 3. Continued

Supplementary Table 4-13. Insomnia

| | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 |
|----|----|--------|--------|--------|--------|--------|--------|--------|--------|
| C1 | - | >0.999 | >0.999 | 0.003 | >0.999 | >0.999 | >0.999 | >0.999 | >0.999 |
| C2 | | - | >0.999 | >0.999 | >0.999 | >0.999 | >0.999 | >0.999 | >0.999 |
| C3 | | | - | <0.001 | >0.999 | >0.999 | >0.999 | >0.999 | >0.999 |
| C4 | | | | - | 0.004 | >0.999 | >0.999 | >0.999 | 0.047 |
| C5 | | | | | - | >0.999 | >0.999 | >0.999 | >0.999 |
| C6 | | | | | | - | >0.999 | >0.999 | >0.999 |
| C7 | | | | | | | - | >0.999 | >0.999 |
| C8 | | | | | | | | - | >0.999 |
| C9 | | | | | | | | | - |

Supplementary Table 4-14. Migraine

| | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 |
|----|----|--------|--------|--------|--------|--------|--------|--------|--------|
| C1 | - | >0.999 | >0.999 | <0.001 | <0.001 | >0.999 | >0.999 | >0.999 | >0.999 |
| C2 | | - | >0.999 | <0.001 | 0.111 | >0.999 | >0.999 | >0.999 | >0.999 |
| C3 | | | - | <0.001 | <0.001 | >0.999 | >0.999 | >0.999 | >0.999 |
| C4 | | | | - | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 |
| C5 | | | | | - | <0.001 | 0.009 | 0.059 | <0.001 |
| C6 | | | | | | - | >0.999 | >0.999 | >0.999 |
| C7 | | | | | | | - | >0.999 | >0.999 |
| C8 | | | | | | | | - | >0.999 |
| C9 | | | | | | | | | - |

Supplementary Table 4-15. Probable migraine

| | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 |
|----|----|--------|--------|--------|--------|--------|--------|--------|--------|
| C1 | - | >0.999 | <0.001 | >0.999 | <0.001 | <0.001 | 0.104 | >0.999 | >0.999 |
| C2 | | - | 0.050 | >0.999 | <0.001 | <0.001 | 0.756 | >0.999 | >0.999 |
| C3 | | | - | <0.001 | <0.001 | <0.001 | >0.999 | 0.017 | 0.001 |
| C4 | | | | - | <0.001 | <0.001 | 0.006 | >0.999 | 0.185 |
| C5 | | | | | - | 0.007 | <0.001 | <0.001 | <0.001 |
| C6 | | | | | | - | <0.001 | <0.001 | <0.001 |
| C7 | | | | | | | - | 0.350 | >0.999 |
| C8 | | | | | | | | - | >0.999 |
| C9 | | | | | | | | | - |

Supplementary Table 4-16. TTH

| | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 |
|----|----|--------|--------|--------|--------|--------|--------|--------|--------|
| C1 | - | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | <0.001 | >0.999 | <0.001 |
| C2 | | - | >0.999 | >0.999 | >0.999 | >0.999 | >0.999 | <0.001 | <0.001 |
| C3 | | | - | >0.999 | >0.999 | >0.999 | >0.999 | <0.001 | <0.001 |
| C4 | | | | - | >0.999 | >0.999 | >0.999 | <0.001 | <0.001 |
| C5 | | | | | - | >0.999 | >0.999 | <0.001 | <0.001 |
| C6 | | | | | | - | >0.999 | <0.001 | <0.001 |
| C7 | | | | | | | - | <0.001 | <0.001 |
| C8 | | | | | | | | - | <0.001 |
| C9 | | | | | | | | | - |

(Continued on the next page)

Supplementary Table 3. Continued

Supplementary Table 4-17. Other headache

| | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 |
|----|----|--------|--------|--------|--------|--------|--------|--------|--------|
| C1 | - | <0.001 | <0.001 | 0.453 | <0.001 | 0.029 | <0.001 | >0.999 | <0.001 |
| C2 | | - | 0.050 | <0.001 | <0.001 | <0.001 | 0.756 | <0.001 | <0.001 |
| C3 | | | - | <0.001 | <0.001 | <0.001 | >0.999 | <0.001 | <0.001 |
| C4 | | | | - | <0.001 | <0.001 | <0.001 | >0.999 | <0.001 |
| C5 | | | | | - | >0.999 | <0.001 | 0.011 | >0.999 |
| C6 | | | | | | - | <0.001 | 0.128 | >0.999 |
| C7 | | | | | | | - | <0.001 | <0.001 |
| C8 | | | | | | | | - | <0.001 |
| C9 | | | | | | | | | - |

Supplementary Table 4-18. MOH

| | C1 | C2 | C3 | C4 | C5 | C6 | C7 | C8 | C9 |
|----|----|-------|--------|--------|--------|--------|--------|--------|--------|
| C1 | - | 0.152 | >0.999 | 0.002 | 0.308 | 0.006 | >0.999 | >0.999 | >0.999 |
| C2 | | - | >0.999 | >0.999 | >0.999 | >0.999 | >0.999 | >0.999 | 0.222 |
| C3 | | | - | 0.252 | >0.999 | 0.492 | >0.999 | >0.999 | >0.999 |
| C4 | | | | - | >0.999 | >0.999 | >0.999 | >0.999 | 0.007 |
| C5 | | | | | - | >0.999 | >0.999 | >0.999 | 0.538 |
| C6 | | | | | | - | >0.999 | >0.999 | 0.019 |
| C7 | | | | | | | - | >0.999 | >0.999 |
| C8 | | | | | | | | - | >0.999 |
| C9 | | | | | | | | | - |

C, Class; VARS, Visual Aura Rating Scale; HIT-6, Headache Impact Test-6; MIDAS, Migraine Disability Assessment; TTH, tension-type headache; MOH, medication-overuse headache.