

|     | Left cycles    |   | Right cycles |   |
|-----|----------------|---|--------------|---|
| P1  | 1              |   | 1            |   |
| P2  | 1              | 2 |              | 2 |
| P3  | 4              |   | 4            |   |
| P4  | 1              |   | 1            |   |
| P5  | 1              |   | 1            |   |
| P6  | 3              |   | 2            |   |
| P7  | 1              |   | 1            |   |
| P8  | 1              | 2 | 1            | 2 |
| P9  | 2              |   | 6            |   |
| P10 | 1              |   | 1            |   |
| P11 | 1              |   | 1            |   |
| P12 | 2              |   | 2            |   |
| P13 | 3              |   | 3            |   |
| P14 | 4              |   | 4            |   |
| P15 | 3              |   | 2            |   |
| P16 | 1              |   | 1            |   |
| P17 | 1              |   | 1            |   |
| P18 | 1              |   | 1            |   |
| P19 | 1              |   | 1            |   |
| P20 | 5              |   | 5            |   |
| P21 | 3              |   | 2            |   |
| P22 | 3              |   | 1            |   |
| P23 | 1              |   | 1            |   |
| P24 | 2              |   | 2            |   |
| P25 | 1              |   | 4            |   |
| P26 | <i>Outlier</i> |   | 6            |   |

**Table S2. Distribution of sagittal patterns in left and right cycles of each patient.** Background colors correspond to the colour of the pattern used in figure 2.