

**Table S1** MRI acquisition protocol two MR scans

| Parameters           | Achieva 3.0T, Philips |         |         |           | Ingenia 3.0T, Philips |         |         |           |
|----------------------|-----------------------|---------|---------|-----------|-----------------------|---------|---------|-----------|
|                      | T1WI                  | T2WI    | DWI     | 3D THRIVE | T1WI                  | T2WI    | DWI     | 3D THRIVE |
| Repetition time (ms) | 94                    | 2000    | 2100    | 3.0       | 3.4                   | 2000    | 1200    | 3.0       |
| Echo time (ms)       | 1.15/2.3              | 70      | 55      | 1.5       | 1.3/2.2               | 90      | 70      | 1.5       |
| Flip angle (deg)     | 55                    | 90      | 90      | 10        | 10                    | 90      | 90      | 10        |
| Matrix               | 160×256               | 160×256 | 160×128 | 250×230   | 230×252               | 230×220 | 114×128 | 250×230   |
| Slice thickness (mm) | 7.0                   | 7.0     | 7.0     | 2.0       | 5.0                   | 7.0     | 7.0     | 2.0       |
| Slice gap (mm)       | 1.0                   | 1.0     | 1.0     | 0         | -2.5                  | 1.0     | 0       | 0         |
| Field of view        | 320×380               | 350×380 | 320×380 | 330×380   | 350×380               | 350×380 | 320×360 | 350×380   |