# Training set sites

Table S1. Sites for the training set (MGH Pre-2019), as well as the numbers of AD and Controls scanned at each site.

| Site Name | No. AD | No. CTRL | Norm AD (No. AD / Total AD) | Norm CTRL (No. CTRL / Total CTRL) | Ratio (Norm AD : Norm CTRL) |
|-----------|--------|----------|-----------------------------|-----------------------------------|-------------------------------|
| MR1W      | 275    | 370      | 0.0653                      | 0.0233                            | 2.8043                       |
| LL1       | 135    | 770      | 0.0390                      | 0.0618                            | 0.6518                       |
| LI        | 958    | 5468     | 0.1796                      | 0.3743                            | 0.4977                       |
| MRI ELL2  | 12     | 85       | 0.0288                      | 0.0966                            | 0.3027                       |
| MRI CH    | 196    | 245      | 0.0465                      | 0.0194                            | 2.3941                       |
| MR ELL2   | 171    | 472      | 0.0466                      | 0.0374                            | 1.2942                       |
| MR1W1     | 246    | 569      | 0.0587                      | 0.0449                            | 1.3527                       |
| PR61 ELL2 | 34     | 129      | 0.0091                      | 0.0102                            | 0.8988                       |
| MRC 4018  | 228    | 294      | 0.0541                      | 0.0233                            | 2.3208                       |
| MRIA2     | 142    | 271      | 0.0337                      | 0.0217                            | 1.5566                       |
| PR61 ELL2 | 52     | 163      | 0.0123                      | 0.0128                            | 0.9606                       |
| M R F N D | 238    | 715      | 0.0541                      | 0.0567                            | 0.9433                       |
| MR1L6     | 196    | 98       | 0.0465                      | 0.0078                            | 5.3945                       |
| MR51WV    | 74     | 286      | 0.0176                      | 0.0277                            | 0.7743                       |
| MR2WA     | 89     | 98       | 0.0211                      | 0.0078                            | 2.7178                       |
| MR2EL2    | 94     | 238      | 0.0223                      | 0.0199                            | 1.1820                       |
| EXHDMRI   | 21     | 27       | 0.0050                      | 0.0021                            | 2.3276                       |
| MRI Y6    | 124    | 170      | 0.0294                      | 0.0242                            | 1.2373                       |
| MR2CH     | 149    | 187      | 0.0394                      | 0.0148                            | 2.6845                       |
| PR61 ELL2 | 36     | 252      | 0.0085                      | 0.0200                            | 0.4075                       |
| M R 5 1 S | 141    | 192      | 0.0382                      | 0.0152                            | 2.5095                       |
| PR248     | 44     | 181      | 0.0104                      | 0.0144                            | 0.7257                       |
| MR C 2657 | 44     | 64       | 0.0104                      | 0.0051                            | 2.0574                       |
| MR2Y6     | 180    | 284      | 0.0380                      | 0.0225                            | 1.6860                       |
| MR1NY     | 2      | 12       | 0.0051                      | 0.0010                            | 0.4948                       |
| M R E L2  | 133    | 275      | 0.0311                      | 0.0318                            | 1.4256                       |
| CHC M R  | 57     | 156      | 0.0315                      | 0.0124                            | 2.6035                       |
| MR Y6     | 1      | 3        | 0.0022                      | 0.0002                            | 0.9075                       |
| MR C2657  | 11     | 52       | 0.0026                      | 0.0041                            | 0.6331                       |
| MRC 2652  | 20     | 95       | 0.0096                      | 0.0075                            | 1.2620                       |
| CHCM R2  | 4      | 15       | 0.0009                      | 0.0012                            | 0.9789                       |
| GEN5      | 0      | 5        | 0.0000                      | 0.0004                            | 0.0000                       |
| MEDPC     | 9      | 12       | 0.0021                      | 0.0010                            | 2.2445                       |
| M347OC0   | 0      | 1        | 0.0000                      | 0.0001                            | 0.0000                       |
| BAY4OC    | 2      | 2        | 0.0055                      | 0.0002                            | 2.9206                       |
| BAY10V0   | 0      | 1        | 0.0000                      | 0.0001                            | 0.0000                       |
| MR 1 CH   | 11     | 16       | 0.0026                      | 0.0013                            | 2.0574                       |
| BAY10D    | 0      | 8        | 0.0000                      | 0.0000                            | 0.0000                       |
| MR 1 WA   | 8      | 16       | 0.0010                      | 0.0013                            | 1.4943                       |
| M R S D O C | 1  | 2        | 0.0002                      | 0.0002                            | 1.4943                       |
| M R S S M  | 0      | 1        | 0.0000                      | 0.0001                            | 0.0000                       |
| TOTAL     | 4213   | 12608    | 1.0000                      | 1.0000                            | 1.0000                       |
Training set sample images

Fig S1. Sample images. Slices of random AD and control MRIs from the dataset, showing the general heterogeneity of the images.