|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Donor** | **Diagnosis** | **Age (decade)** | **Sex** | **Treatment** | **CSF leukocyte Count (10 6/L)** | **CyTOF** | **Olink** |
|  | **Group** | **Specification** |  |  | **Sampled Under DMT** | **Specification** |  |  |  |
| 01 | MS | SPMS | VI | F | Yes | Intrathecal Steroids | 1.7 | + | - |
| 02 | MS | SPMS | VI | M | Yes | Rituximab, Intrathecal Steroids | 5 | + | - |
| 03 | MS | SPMS | VI | F | Yes | Rituximab | 3 | + | - |
| 04 | MS | SPMS | VI | F | Yes | Beta-Interferon, Intrathecal Steroids | 0 | + | - |
| 05 | MS | RRMS | V | F | No |  | 15 | + | - |
| 06 | Control | Syncope and white matter lesions | IV | F | No |  | 1 | + | - |
| 07 | Control | Migraine | III | F | No |  | 0 | + | - |
| 08 | Control | Encephalo-myelo-radiculitis | IV | M | Yes | Intravenous Steroids | 37 | + | - |
| 09 | MS | RRMS | III | F | No |  | 11.3 | + | + |
| 10 | MS | PPMS | VII | M | No |  | 0.3 | + | + |
| 11 | MS | RRMS | V | M | No |  | 6 | + | + |
| 12 | MS | RRMS | IV | M | No |  | 10 | + | + |
| 13 | MS | RRMS | IV | F | No |  | 4 | + | + |
| 14 | MS | RRMS | IV | F | No |  | 5 | + | + |
| 15 | MS | CIS | II | F | No |  | 1.7 | + | + |
| 16 | MS | CIS | VI | M | No |  | 2 | + | + |
| 17 | MS | CIS | II | F | No |  | 15 | + | + |
| 18 | Control | Headache | V | F | No |  | 0.3 | + | + |
| 19 | Control | Pseudotumor Cerebri | II | F | No |  | 2 | + | + |
| 20 | Control | Stroke, anti-Phospholipid Syndrome | V | F | No |  | 4 | + | + |
| 21 | Control | Headache | II | F | No |  | 3 | + | + |
| 22 | Control | Small Fiber Neuropathy | VI | F | No |  | 1 | + | + |
| 23 | Control | Pseudotumor Cerebri | III | F | No |  | 2 | + | + |
| 24 | Control | Cognitive Decline | VI | M | No |  | 1 | + | + |
| 25 | Control | Monocular Ptosis | V | M | No |  | 0 | + | + |
| 26 | Control | Motor Neuron Disease | VII | M | No |  | 0 | + | + |
| 27 | Control | Hypoglossal Nerve Palsy | VII | F | No |  | 1 | + | + |
| 28 | Control | Facial Nerve Palsy | VI | F | No |  | 1 | + | + |
| 29 | Control | Motor Neuronopathy | IV | F | No |  | 0 | + | + |
| 30 | Control | Cognitive Decline | V | M | No |  | 1 | + | + |
| 31 | Control | Oscillopsia | V | F | No |  | 1 | + | + |
| 32 | Control | Facial Nerve Palsy | VI | M | No |  | 1 | + | + |
| 33 | Control | Inflammatory Myelitis | IX | F | No |  | 2 | + | + |
| 34 | Control | Cerebellar Pedunculus Lesion  | IV | F | No |  | 1 | + | + |
| 35 | Control | Polyradiculitis / Neuroborreliosis | VIII | F | No |  | 34 | + | + |
| 36 | Control | Multifocal Motor Neuropathy  | V | M | No |  | 2 | + | + |
| 37 | Control | Uveitis | VIII | F | No |  | 3 | + | + |
| 38 | Control | Paraneoplastic Encephalopathy | VIII | M | No |  | 5 | + | + |
| 39 | Control | Inflammatory Encephalitis | V | F | No |  | 2 | + | + |
| 40 | MS | NMOSD | V | M | No |  | 1 | - | + |
| 41 | MS | PPMS | V | M | No |  | 6.6 | - | + |
| 42 | MS | PPMS | VII | F | No |  | 2.7 | - | + |
| 43 | MS | PPMS | V | M | No |  | 24.7 | - | + |
| 44 | MS | RRMS | VI | M | Yes | Natalizumab | 0.3 | - | + |
| 45 | MS | RRMS | III | F | No |  | 19 | - | + |
| 46 | MS | RRMS | II | F | Yes | Fingolimod | 1.3 | - | + |
| 47 | MS | RRMS | III | F | Yes | Natalizumab | 0.3 | - | + |
| 48 | MS | SPMS | VII | F | No |  | 1.7 | - | + |
| 49 | MS | SPMS | VI | M | Yes | Tecfidera | 0.3 | - | + |
| 50 | MS | SPMS | V | F | Yes | Natalizumab | 0.3 | - | + |
| 51 | MS | SPMS | VI | M | Yes | Intravenous Steroids | 2.3 | - | + |
| 52 | MS | SPMS | VI | M | No |  | 0.7 | - | + |
| 53 | MS | SPMS | V | M | Yes | Fingolimod | 1.3 | - | + |
| 54 | MS | SPMS | VI | M | Yes | Methotrexate | 1 | - | + |
| 55 | MS | SPMS | VII | F | No |  | 0.3 | - | + |
| 56 | MS | SPMS | V | F | Yes | Natalizumab | 1 | - | + |
| 57 | MS | CIS | III | F | No |  | 1 | - | + |
| 58 | MS | CIS | V | F | No |  | 23 | - | + |
| 59 | MS | CIS | V | F | No |  | 2.6 | - | + |
| 60 | Control | Somatoform Disorder | III | F | No |  | 1.3 | - | + |
| 61 | Control | Motor Neuron Disease | VII | F | No |  | 0.3 | - | + |
| 62 | Control | Headache | VI | M | No |  | 1.7 | - | + |
| 63 | Control | Headache | V | F | No |  | 0.6 | - | + |
| 64 | Control | Epilepsy | VI | M | No |  | 1.7 | - | + |
| 65 | Control | Pseudotumor Cerebri | IV | F | No |  | 1 | - | + |
| 66 | Control | Pseudotumor Cerebri | III | F | No |  | 0.3 | - | + |
| 67 | Control | Oculomotor Nerve Palsy | IV | F | No |  | 1.6 | - | + |
| 68 | Control | Epilepsy | III | M | No |  | 1.3 | - | + |
| 69 | Control | Pseudotumor Cerebri | IV | F | No |  | 3 | - | + |
| 70 | Control | Headache | VI | F | No |  | 4.3 | - | + |
| 71 | Control | Motor Neuron Disease | VII | F | No |  | 0.7 | - | + |
| 72 | Control | Pseudotumor Cerebri | VI | F | No |  | 1 | - | + |
| 73 | Control | Facial Nerve Palsy | VI | M | No |  | 3 | - | + |
| 74 | Control | Atypical Parkinsonism | VIII | M | No |  | 1 | - | + |
| 75 | Control | Cognitive Decline | VI | F | No |  | 0.3 | - | + |
| 76 | Control | Creutzfeld Jacob Disease | VII | F | No |  | 4 | - | + |
| 77 | Control | Headache | II | F | No |  | 0.7 | - | + |
| 78 | Control | Facial Nerve Palsy | III | F | No |  | 1 | - | + |
| 79 | Control | Pseudotumor Cerebri | III | F | No |  | 0.3 | - | + |
| 80 | Control | Somatoform Disorder | V | M | No |  | 0.7 | - | + |
| 81 | Control | Neuro-sarcoidosis | V | F | No |  | 2 | - | + |
| 82 | Control | Acute Inflammatory Demyelinating Polyneuropathy | V | F | No |  | 0.6 | - | + |

Table e-1 Donors