Table S1: Complete enrolled patient description at baseline.

| Patient ID | Sex | Age (year) | Diagnosis | Tumor grade | Relapse number | Disease duration (week) | KPS | Concurrent cortisone therapy | Concurrent tumor therapy |
|---|---|---|---|---|---|---|---|---|---|
| **No diet** | | | | | | | | | |
| 2 | M | 42 | OA/GBM | II/IV | 1 | 172/8 | 90 | Yes | RT+TMZ |
| 12 | F | 22 | GBM | IV | 0 | 9 | 90 | Yes | RT+TMZ |
| **Discontinued diet** | | | | | | | | | |
| 1 | M | 42 | GBM | IV | 0 | 11 | 100 | No | RT+TMZ |
| 8 | F | 54 | GBM | IV | 0 | 21 | 90 | Yes | TMZ |
| 10 | F | 40 | GBM | IV | 0 | 7 | 100 | Yes | RT+TMZ |
| 11 | F | 41 | GBM | IV | 0 | 9 | 100 | Yes | RT+TMZ |
| **Diet group** | | | | | | | | | |
| 3 | M | 46 | GBM | IV | 0 | 28 | 80 | Yes | TMZ |
| 4 | M | 33 | aOA/GBM | III/IV | 1 | 351/17 | 70 | Yes | TMZ |
| 5 | F | 46 | GBM | IV | 0 | 9 | 100 | No | RT+TMZ |
| 6 | M | 46 | aOD | III | 0 | 49 | 100 | Yes | PCV |
| 7 | M | 41 | GBM | IV | 0 | 7 | 80 | Yes | RT+TMZ |
| 9 | M | 44 | GBM | IV | 0 | 7 | 100 | Yes | RT+TMZ |

**Note:** [a] In case of relapses, data related to the first diagnosis are presented first, data related to the relapse are presented after the forward slash ``/''. [b] Abbreviations: KPS = Karnofsky performance score, M = male, F = female, GBM = glioblastoma, OA = oligoastrocytoma, aOA = anaplastic oligoastrocytoma, aOD = anaplastic oligodendroglioma, RT = radiotherapy, TMZ = temozolomide, PCV = procarbazine, lomustine and vincristine