

Supplementary Table S1. Natural protein and phenylalanine of all patients during the study – intake and prescribed.

Subject number (Month) (Day)	Prescribed natural protein intake (g)	Actual total Natural protein intake (g)	Difference between natural protein prescription vs. intake (g)	Prescribed phenylalanine (mg)	Actual total Phenylalanine intake (mg)	Difference between phenylalanine prescription vs. intake (mg)	% increase of Natural protein intake vs prescribed
1 (Month 1) (Day 1)	5	8	3	250	400	150	38
1 (Month 1) (Day 2)	5	8	3	250	400	150	38
1 (Month 1) (Day 3)	5	10	5	250	500	250	50
1 (Month 2) (Day 1)	5	9	4	250	450	200	44
1 (Month 2) (Day 2)	5	10	5	250	500	250	50
1 (Month 2) (Day 3)	5	11	6	250	550	300	55
1 (Month 3) (Day 1)	5	12	7	250	600	350	58
1 (Month 3) (Day 2)	5	10	5	250	500	250	50
1 (Month 3) (Day 3)	5	11	6	250	550	300	55
1 (Month 4) (Day 1)	5	10	5	250	500	250	50
1 (Month 4) (Day 2)	5	8	3	250	400	150	38
1 (Month 4) (Day 3)	5	11	6	250	550	300	55
1 (Month 5) (Day 1)	5	12	7	250	600	350	58
1 (Month 5)	5	10	5	250	500	250	50

(Day 2)							
1 (Month 5) (Day 3)	5	10	5	250	500	250	50
1 (Month 6) (Day 1)	5	8	3	250	400	150	38
1 (Month 6) (Day 2)	5	9	4	250	450	200	44
1 (Month 6) (Day 3)	5	8	3	250	450	200	38
2 (Month 1) (Day 1)	6,5	10	3,5	325	500	175	35
2 (Month 1) (Day 2)	6,5	12	5,5	325	600	275	46
2 (Month 1) (Day 3)	6,5	9	2,5	325	450	125	28
2 (Month 2) (Day 1)	6,5	9	2,5	325	450	125	28
2 (Month 2) (Day 2)	6,5	9	2,5	325	450	125	28
2 (Month 2) (Day 3)	6,5	12	5,5	325	450	125	46
2 (Month 3) (Day 1)	6,5	10	3,5	325	500	175	35
2 (Month 3) (Day 2)	6,5	10	3,5	325	500	175	35
2 (Month 3) (Day 3)	6,5	9	2,5	325	450	125	28
2 (Month 4) (Day 1)	6,5	10	3,5	325	500	175	35
2 (Month 4) (Day 2)	6,5	9	2,5	325	450	125	28
2 (Month 4) (Day 3)	6,5	10	3,5	325	500	175	35
2 (Month 5) (Day 1)	6,5	9	2,5	325	450	125	28

2 (Month 5) (Day 2)	6,5	10	3,5	325	500	175	35
2 (Month 5) (Day 3)	6,5	13	6,5	325	650	325	50
2 (Month 6) (Day 1)	6,5	9	2,5	325	450	125	28
2 (Month 6) (Day 2)	6,5	10	3,5	325	500	175	35
2 (Month 6) (Day 3)	6,5	9	2,5	325	450	125	28
3 (Month 1) (Day 1)	27	30	3	1350	1500	150	10
3 (Month 1) (Day 2)	27	30	3	1350	1500	150	10
3 (Month 1) (Day 3)	27	31	4	1350	1550	200	13
3 (Month 2) (Day 1)	27	35	8	1350	1750	400	23
3 (Month 2) (Day 2)	27	32	5	1350	1600	250	16
3 (Month 2) (Day 3)	27	31	4	1350	1550	200	13
3 (Month 3) (Day 1)	27	33	6	1350	1650	300	18
3 (Month 3) (Day 2)	27	33	6	1350	1650	300	18
3 (Month 3) (Day 3)	27	32	5	1350	1600	250	16
3 (Month 4) (Day 1)	27	30	3	1350	1500	150	10
3 (Month 4) (Day 2)	27	34	7	1350	1700	350	21
3 (Month 4) (Day 3)	27	30	3	1350	1500	150	10
3	27	30	3	1350	1500	150	10

(Month 5) (Day 1)							
3 (Month 5) (Day 2)	27	30	3	1350	1500	150	10
3 (Month 5) (Day 3)	27	31	4	1350	1550	200	13
3 (Month 6) (Day 1)	27	36	9	1350	1800	450	25
3 (Month 6) (Day 2)	27	37	10	1350	1850	500	27
3 (Month 6) (Day 3)	27	36	9	1350	1800	450	25
4 (Month 1) (Day 1)	14	17	3	700	850	150	18
4 (Month 1) (Day 2)	14	16	2	700	800	100	13
4 (Month 1) (Day 3)	14	23	9	700	1150	450	39
4 (Month 2) (Day 1)	14	17	3	700	850	150	18
4 (Month 2) (Day 2)	14	17	3	700	850	150	18
4 (Month 2) (Day 3)	14	19	5	700	950	250	26
4 (Month 3) (Day 1)	14	17	3	700	850	150	18
4 (Month 3) (Day 2)	14	19	5	700	950	250	26
4 (Month 3) (Day 3)	14	19	5	700	950	250	26
4 (Month 4) (Day 1)	14	16	2	700	800	100	13
4 (Month 4) (Day 2)	14	16	2	700	650	-50	13
4 (Month 4)	14	13	-1	700	850	150	-8

(Day 3)							
4 (Month 5) (Day 1)	14	17	3	700	850	150	18
4 (Month 5) (Day 2)	14	17	3	700	900	200	18
4 (Month 5) (Day 3)	14	19	5	700	850	150	26
4 (Month 6) (Day 1)	14	17	3	700	900	200	18
4 (Month 6) (Day 2)	14	19	5	700	850	150	26
4 (Month 6) (Day 3)	14	19	5	700	850	150	26
5 (Month 1) (Day 1)	6	7	1	300	350	50	14
5 (Month 1) (Day 2)	6	10	4	300	500	200	40
5 (Month 1) (Day 3)	6	8	2	300	400	100	25
5 (Month 2) (Day 1)	6	9	3	300	250	-50	33
5 (Month 2) (Day 2)	6	5	-1	300	450	150	-20
5 (Month 2) (Day 3)	6	9	3	300	450	150	33
5 (Month 3) (Day 1)	6	10	4	300	350	50	40
5 (Month 3) (Day 2)	6	9	3	300	450	150	33
5 (Month 3) (Day 3)	6	7	1	300	350	50	14
5 (Month 4) (Day 1)	6	7	1	300	350	50	14
5 (Month 4) (Day 2)	6	9	3	300	450	150	33

5 (Month 4) (Day 3)	6	7	1	300	350	50	14
5 (Month 5) (Day 1)	6	11	5	300	550	250	45
5 (Month 5) (Day 2)	6	9	3	300	450	150	33
5 (Month 5) (Day 3)	6	7	1	300	450	150	14
5 (Month 6) (Day 1)	6	9	3	300	450	150	33
5 (Month 6) (Day 2)	6	12	6	300	600	300	50
5 (Month 6) (Day 3)	6	10	4	300	500	200	40
6 (Month 1) (Day 1)	7,5	5	-2,5	375	250	-125	-50
6 (Month 1) (Day 2)	7,5	9	1,5	375	450	75	17
6 (Month 1) (Day 3)	7,5	12	4,5	375	600	225	38
6 (Month 2) (Day 1)	7,5	7	-0,5	375	350	-25	-7
6 (Month 2) (Day 2)	7,5	11	3,5	375	550	175	32
6 (Month 2) (Day 3)	7,5	12	4,5	375	600	225	38
6 (Month 3) (Day 1)	7,5	5	-2,5	375	250	-125	-50
6 (Month 3) (Day 2)	7,5	9	1,5	375	450	75	17
6 (Month 3) (Day 3)	7,5	12	4,5	375	600	225	38
6 (Month 4) (Day 1)	7,5	14	6,5	375	700	325	46
6	7,5	11	3,5	375	550	175	32

6 (Month 4) (Day 2)							
6 (Month 4) (Day 3)	7,5	14	6,5	375	700	325	46
6 (Month 5) (Day 1)	7,5	7	-0,5	375	350	-25	-7
6 (Month 5) (Day 2)	7,5	11	3,5	375	550	175	32
6 (Month 5) (Day 3)	7,5	12	4,5	375	600	225	38
6 (Month 6) (Day 1)	7,5	9	1,5	375	450	75	17
6 (Month 6) (Day 2)	7,5	9	1,5	375	450	75	17
6 (Month 6) (Day 3)	7,5	12	4,5	375	600	225	38
7 (Month 1) (Day 1)	4,5	9	4,5	225	250	25	50
7 (Month 1) (Day 2)	4,5	5	0,5	225	500	275	10
7 (Month 1) (Day 3)	4,5	10	5,5	225	450	225	55
7 (Month 2) (Day 1)	4,5	9	4,5	225	800	575	50
7 (Month 2) (Day 2)	4,5	16	11,5	225	500	275	72
7 (Month 2) (Day 3)	4,5	10	5,5	225	450	225	55
7 (Month 3) (Day 1)	4,5	9	4,5	225	250	25	50
7 (Month 3) (Day 2)	4,5	5	0,5	225	500	275	10
7 (Month 3) (Day 3)	4,5	10	5,5	225	300	75	55
7 (Month 4)	4,5	6	1,5	225	200	-25	25

(Day 1)							
7 (Month 4) (Day 2)	4,5	8	3,5	225	400	175	44
7 (Month 4) (Day 3)	4,5	7	2,5	225	350	125	36
7 (Month 5) (Day 1)	4,5	9	4,5	225	450	225	50
7 (Month 5) (Day 2)	4,5	5	0,5	225	250	25	10
7 (Month 5) (Day 3)	4,5	10	5,5	225	500	275	55
7 (Month 6) (Day 1)	4,5	9	4,5	225	450	225	50
7 (Month 6) (Day 2)	4,5	16	11,5	225	800	575	72
7 (Month 6) (Day 3)	4,5	10	5,5	225	500	275	55
8 (Month 1) (Day 1)	3	11	8	150	550	400	73
8 (Month 1) (Day 2)	3	11	8	150	550	400	73
8 (Month 1) (Day 3)	3	10	7	150	500	350	70
8 (Month 2) (Day 1)	3	7	4	150	350	200	57
8 (Month 2) (Day 2)	3	9	6	150	450	300	67
8 (Month 2) (Day 3)	3	4	1	150	200	50	25
8 (Month 3) (Day 1)	3	5	2	150	250	100	40
8 (Month 3) (Day 2)	3	5	2	150	250	100	40
8 (Month 3) (Day 3)	3	7	4	150	350	200	57

8 (Month 4) (Day 1)	3	11	8	150	550	400	73
8 (Month 4) (Day 3)	3	11	8	150	550	400	73
8 (Month 4) (Day 4)	3	10	7	150	500	350	70
8 (Month 5) (Day 1)	3	8	5	150	400	250	63
8 (Month 5) (Day 2)	3	6	3	150	300	150	50
8 (Month 5) (Day 3)	3	4	1	150	200	50	25
8 (Month 6) (Day 1)	3	7	4	150	350	200	57
8 (Month 6) (Day 2)	3	9	6	150	450	300	67
8 (Month 6) (Day 3)	3	4	1	150	200	50	25
9 (Month 1) (Day 1)	5	8	3	250	400	150	38
9 (Month 1) (Day 2)	5	9	4	250	450	200	44
9 (Month 1) (Day 3)	5	10	5	250	500	250	50
9 (Month 2) (Day 1)	5	9	4	250	450	200	44
9 (Month 2) (Day 2)	5	10	5	250	500	250	50
9 (Month 2) (Day 3)	5	10	5	250	500	250	50
9 (Month 3) (Day 1)	5	12	7	250	600	350	58
9 (Month 3) (Day 2)	5	10	5	250	500	250	50
9	5	10	5	250	500	250	50

(Month 3) (Day 3)							
9 (Month 4) (Day 1)	5	9	4	250	450	200	44
9 (Month 4) (Day 2)	5	8	3	250	400	150	38
9 (Month 4) (Day 3)	5	7	2	250	350	100	29
9 (Month 5) (Day 1)	5	8	3	250	400	150	38
9 (Month 5) (Day 2)	5	6	1	250	300	50	17
9 (Month 5) (Day 3)	5	10	5	250	500	250	50
9 (Month 6) (Day 1)	5	9	4	250	450	200	44
9 (Month 6) (Day 2)	5	8	3	250	400	150	38
9 (Month 6) (Day 3)	5	8	3	250	400	150	38
10 (Month 1) (Day 1)	4	6	2	200	300	100	33
10 (Month 1) (Day 2)	4	7	3	200	350	150	43
10 (Month 1) (Day 3)	4	8	4	200	400	200	50
10 (Month 2) (Day 1)	4	8	4	200	400	200	50
10 (Month 2) (Day 2)	4	7	3	200	350	150	43
10 (Month 2) (Day 3)	4	4	0	200	200	0	0
10 (Month 3) (Day 1)	4	13	9	200	650	450	69
10 (Month 3)	4	9	5	200	450	250	56

(Day 2)							
10 (Month 3) (Day 3)	4	9	5	200	450	250	56
10 (Month 4) (Day 1)	4	4	0	200	200	0	0
10 (Month 4) (Day 2)	4	9	5	200	450	250	56
10 (Month 4) (Day 3)	4	8	4	200	400	200	50
10 (Month 5) (Day 1)	4	6	2	200	300	100	33
10 (Month 5) (Day 2)	4	8	4	200	400	200	50
10 (Month 5) (Day 3)	4	6	2	200	300	100	33
10 (Month 6) (Day 1)	4	5	1	200	250	50	20
10 (Month 6) (Day 2)	4	7	3	200	350	150	43
10 (Month 6) (Day 3)	4	6	2	200	300	100	33
11 (Month 1) (Day 1)	8	13	5	400	650	250	38
11 (Month 1) (Day 2)	8	10	2	400	500	100	20
11 (Month 2) (Day 1)	8	16	8	400	800	400	50
11 (Month 2) (Day 2)	8	12	4	400	600	200	33
11 (Month 3) (Day 1)	8	12	4	400	600	200	33
11 (Month 3) (Day 2)	8	14	6	400	700	300	43
11 (Month 4) (Day 1)	8	14	6	400	700	300	43

11 (Month 4) (Day 2)	8	11	3	400	550	150	27
11 (Month 5) (Day 1)	8	12	4	400	600	200	33
11 (Month 5) (Day 2)	8	11	3	400	550	150	27
11 (Month 1) (Day 1)	8	7	-1	400	350	-50	-14
11 (Month 6) (Day 2)	8	8	0	400	400	0	0
12 (Month 1) (Day 1)	4	10	6	200	500	300	60
12 (Month 1) (Day 2)	4	9	5	200	450	250	56
12 (Month 1) (Day 3)	4	13	9	200	650	450	69
12 (Month 2) (Day 1)	4	5	1	200	250	50	20
12 (Month 2) (Day 2)	4	7	3	200	350	150	43
12 (Month 2) (Day 3)	4	8	4	200	400	200	50
12 (Month 3) (Day 1)	4	5	1	200	250	50	20
12 (Month 3) (Day 2)	4	9	5	200	450	250	56
12 (Month 3) (Day 3)	4	9	5	200	450	250	56
12 (Month 4) (Day 1)	4	9	5	200	450	250	56
12 (Month 4) (Day 2)	4	5	1	200	250	50	20
12 (Month 4) (Day 3)	4	5	1	200	250	50	20
12	4	4	0	200	200	0	0

12 (Month 5) (Day 1)							
12 (Month 5) (Day 2)	4	8	4	200	400	200	50
12 (Month 5) (Day 3)	4	9	5	200	450	250	56
12 (Month 6) (Day 1)	4	12	8	200	600	400	67
12 (Month 6) (Day 2)	4	9	5	200	450	250	56
12 (Month 6) (Day 3)	4	9	5	200	450	250	56
13 (Month 1) (Day 1)	7	15	8	350	750	400	53
13 (Month 1) (Day 2)	7	10	3	350	500	150	30
13 (Month 2) (Day 1)	7	13	6	350	650	300	46
13 (Month 2) (Day 2)	7	9	2	350	450	100	22
13 (Month 3) (Day 1)	7	9	2	350	450	100	22
13 (Month 3) (Day 2)	7	13	6	350	650	300	46
13 (Month 4) (Day 1)	7	15	8	350	750	400	53
13 (Month 4) (Day 2)	7	10	3	350	500	150	30
13 (Month 5) (Day 1)	7	10	3	350	500	150	30
13 (Month 5) (Day 2)	7	10	3	350	500	150	30
13 (Month 6) (Day 1)	7	13	6	350	650	300	46
13 (Month 6)	7	9	2	350	450	100	22

(Day 2)							
14 (Month 1) (Day 1)	6	10	4	300	500	200	40
14 (Month 1) (Day 2)	6	9	3	300	450	150	33
14 (Month 1) (Day 3)	6	12	6	300	600	300	50
14 (Month 2) (Day 1)	6	9	3	300	450	150	33
14 (Month 2) (Day 2)	6	9	3	300	450	150	33
14 (Month 2) (Day 3)	6	7	1	300	350	50	14
14 (Month 3) (Day 1)	6	10	4	300	500	200	40
14 (Month 3) (Day 2)	6	10	4	300	500	200	40
14 (Month 3) (Day 2)	6	7	1	300	350	50	14
14 (Month 4) (Day 1)	6	9	3	300	450	150	33
14 (Month 4) (Day 2)	6	8	2	300	400	100	25
14 (Month 4) (Day 3)	6	8	2	300	550	250	25
14 (Month 5) (Day 1)	6	7	1	300	400	100	14
14 (Month 5) (Day 2)	6	9	3	300	350	50	33
14 (Month 5) (Day 3)	6	9	3	300	450	150	33
14 (Month 6) (Day 1)	6	10	4	300	450	150	40
14 (Month 6) (Day 2)	6	12	6	300	500	200	50

14 (Month 6) (Day 3)	6	12	6	300	600	300	50
15 (Month 1) (Day 1)	4	5	1	200	250	50	20
15 (Month 1) (Day 2)	4	6	2	200	300	100	33
15 (Month 1) (Day 3)	4	6	2	200	300	100	33
15 (Month 2) (Day 1)	4	5	1	200	250	50	20
15 (Month 2) (Day 2)	4	9	5	200	450	250	56
15 (Month 2) (Day 3)	4	6	2	200	300	100	33
15 (Month 1) (Day 1)	4	9	5	200	450	250	56
15 (Month 2) (Day 2)	4	9	5	200	450	250	56
15 (Month 3) (Day 3)	4	10	6	200	500	300	60
15 (Month 4) (Day 1)	4	10	6	200	500	300	60
15 (Month 4) (Day 2)	4	5	1	200	250	50	20
15 (Month 4) (Day 3)	4	6	2	200	300	100	33
15 (Month 5) (Day 1)	4	5	1	200	250	50	20
15 (Month 5) (Day 2)	4	6	2	200	300	100	33
15 (Month 5) (Day 3)	4	7	3	200	350	150	43
15 (Month 6) (Day 1)	4	5	1	200	250	50	20
15	4	6	2	200	300	100	33

16 (Month 6) (Day 2)							
15 (Month 6) (Day 3)	4	7	3	200	350	150	43
16 (Month 1) (Day 1)	6	12	6	300	600	300	50
16 (Month 1) (Day 2)	6	11	5	300	550	250	45
16 (Month 1) (Day 3)	6	15	9	300	750	450	60
16 (Month 2) (Day 1)	6	13	7	300	650	350	54
16 (Month 2) (Day 2)	6	13	7	300	650	350	54
16 (Month 2) (Day 3)	6	10	4	300	500	200	40
16 (Month 3) (Day 1)	6	13	7	300	650	350	54
16 (Month 3) (Day 2)	6	12	6	300	600	300	50
16 (Month 3) (Day 3)	6	14	8	300	700	400	57
16 (Month 4) (Day 1)	6	11	5	300	550	250	45
16 (Month 4) (Day 2)	6	12	6	300	600	300	50
16 (Month 4) (Day 3)	6	12	6	300	600	300	50
16 (Month 5) (Day 1)	6	14	8	300	700	400	57
16 (Month 5) (Day 2)	6	14	8	300	700	400	57
16 (Month 5) (Day 3)	6	17	11	300	850	550	65
16 (Month 6)	6	12	6	300	600	300	50

(Day 1)							
16 (Month 6 Day 2)	6	15	9	300	550	250	60
16 (Month 6 Day 3)	6	15	9	300	750	450	60