	Baseline PET		Follow-up PET		Change in %		Response / Survival		
Case	SUV$_{mean}$	SUV$_{max}$	SUV$_{mean}$	SUV$_{max}$	SUV$_{mean}$	SUV$_{max}$	Best Response[#]	PFS	OS
#1	3.3	3.8	2.7	3.1	-18.8	-18.3	PR	n/r	s/a
#2	3.3	4.0	2.9	3.3	-12.2	-17.5	SD	8	25
#3	4.9*	6.3	3.6	4.2	-26.5	-33.3	SD	8	21
#4	3.7	4.7	2.5	2.6	-32.4	-44.7	PR	n/r	s/a
#5	5.8*	11.8	6.3	14.1	8.6	19.5	PR	n/r	s/a
#6	4.1*	8.3	4.9	11.3	19.5	36.1	SD	5	53
#7	3.9	4.6	3.6	5.9	-7.7	28.3	SD	n/r	48
#8	4.3*	7.8	2.4	2.4	-44.2	-69.2	PR	25	42
#9	3.3	3.8	2.2	2.2	-33.3	-42.1	PR	n/r	s/a
#10	4.9*	6.7	2.3	2.6	-53.1	-61.2	SD	n/r	s/a
#11	5.6*	11.7	4.5	9.9	-19.6	-15.4	PR	n/r	s/a
#12	13.4*	37.5	6.1	16.3	-54.5	-56.5	PR	4	11
#13	4.3*	9	n/a	n/a	n/a	n/a	SD	24	s/a
#14	27.4*	21.9	n/a	n/a	n/a	n/a	n/a (side effects)	3	24
#15	7*	8	2.1	2.8	70	-65	PR	9	43
#16	5.6*	7	6.6	9.2	-17.9	31.4	SD	n/r	s/a
#17	3.2	4.2	1.6	2.2	-50	-47.6	SD	n/r	s/a
#18	6.8*	9.2	3.1	4.2	-54.4	-54.4	CR	26	s/a

Supplemental Table 1. SUV$_{mean/max}$ = mean/maximum standardized uptake, the changes in % as well as Response Evaluation (Best Response), Progression-Free (PFS) and Overall Survival (OS) given for every case in months. Whole cohort. CR = Complete Response, PET = positron emission tomography, PD = Progressive Disease, PR = Partial Response, SD = Stable Disease. n/a = not available; n/r = not reached at date of censoring; s/a = still alive at date of censoring. * = above the cut-off value which had reached

significance according to receiver operating characteristic analysis (see Table 3, baseline SUV_{mean}, cut-off: 4). # = best response achieved by computed tomography criteria (Response Evaluation Criteria In Solid Tumors 1.1) during follow-up (*13*).