Supplementary Tables S4. Characteristics of patients with oligometastatic and polymetastatic progression in primary tumor samples.

No patient received chemotherapy concurrently with the radiation therapy. Adjuvant chemotherapy was initiated following RT only for patients showed progression. **Legend**: two-tailed Student t-test (t-test), two-tailed Fisher's Exact Test (FET), non-parametric Mann Whitney Test (MWT), logrank survival test (Logrank), NSCLC = non small cell lung cancer, SCLC = small cell lung cancer; α =1 brain and 1 lung metastasis from same patient, ∞ = 1 omental and 1 small bowel metastasis from same patient, *=statistically significant.

Patients (#)	AII (N=25)	Oligometastatic Progression (N=18)	Polymetastatic Progression (N=7)	p-value (test)
Median Age (years)	64.4	65.6	62.3	0.32
Range:	(48.7-91.2)	(48.7-91.2)	(53.7-70.2)	(t-test)
Gender	14 (56%)	10 (56%)	4 (57%)	1.00 (FET)
Female (%)	11 (44%)	8 (44%)	3 (43%)	
Male (%)	,	,	,	
Primary Tumor Sites	25	18	7	
Sampled:				
Bladder	1	1	0	
Breast	3	2	1	
Colorectal	5	4	1	
Head and Neck	2	2	0	
Liver	1	0	1	
Lung, NSCLC*	2	1	1	
Ovarian	1	0	1	
Renal	3	3	0	
Salivary Gland	2	2	0	
Sarcoma	2	1	1	
Small Bowel	2	1	1	
Thymus	1	1	0	
Median # prior and current metastasis(es) at radiation (Range)	1 (1-5)	2 (1-4)	1 (1-5)	0.69 (MWT)
Median # of metastasis(es) at tissue sampling (Range)	0 (0-5)	0 (0-1)	0 (0-5)	0.46 (MWT)
Survival: (alive throughout follow-up)	16 / 25	15 / 18	1 / 7	0.0029* (FET)
Median Follow-up: (months) Range:	15.4 (5.7-43.3)	16.2 (5.7-43.3)	11.5 (8.4-29.5)	0.0025* (Logrank)