

Supplementary Table 3. Associations of MCPyV large T-antigen (LTA) expression with expression of 10 other proteins in Merkel cell carcinoma

Variable	<u>MCPyV LTA expression</u>	
	Absent (n=30)	Present (n=61)
	No. (%)	No. (%)
RB^a		
0% positive	26 (86.7)	0 (0)
1-10% positive	0 (0)	0 (0)
11-19% positive	0 (0)	0 (0)
20-50% positive	0 (0)	1 (1.6)
>50% positive	4 (13.3)	60 (98.4)
Phospho-RB^b		
0% positive	7 (24.1)	9 (15.3)
1-10% positive	2 (6.9)	9 (15.3)
11-19% positive	1 (3.4)	6 (10.2)
20-50% positive	13 (44.8)	20 (33.9)
>50% positive	6 (20.9)	15 (25.4)
N.A.	1	2
p53^a		
0% positive	9 (29.0)	31 (54.4)
1-10% positive	3 (10.0)	14 (24.6)
11-19% positive	5 (16.7)	8 (14.0)
20-50% positive	1 (3.3)	2 (3.5)
>50% positive	12 (40.0)	2 (3.5)

N.A.	0	4
Ki-67 ^a		
0% positive	1 (3.3)	1 (1.7)
1-10% positive	0 (0)	0 (0)
11-19% positive	0 (0)	0 (0)
20-50% positive	4 (13.3)	13 (21.7)
>50% positive	25 (83.3)	46 (76.7)
N.A.	0	1
Cyclin E ^a		
0% positive	1 (3.7)	1 (1.8)
1-10% positive	1 (3.7)	0 (0)
11-19% positive	2 (7.4)	0 (0)
20-50% positive	5 (16.7)	3 (5.4)
>50% positive	18 (66.7)	52 (92.9)
N.A.	3	5
Cyclin D1 ^a		
0% positive	26 (89.7)	55 (100.0)
1-10% positive	1 (3.4)	0 (0)
11-19% positive	0 (0)	0 (0)
20-50% positive	1 (3.4)	0 (0)
>50% positive	1 (3.4)	0 (0)
N.A.	1	6
p16 ^a		
0% positive	1 (3.3)	1 (1.7)
1-10% positive	0 (0)	0 (0)

11-19% positive	0 (0)	0 (0)
20-50% positive	1 (3.3)	0 (0)
>50% positive	28 (93.3)	57 (98.3)
N.A.	0	3
p21 ^a		
0% positive	3 (10.3)	2 (3.4)
1-10% positive	6 (20.7)	22 (37.9)
11-19% positive	4 (13.8)	6 (10.3)
20-50% positive	8 (27.6)	17 (29.3)
>50% positive	8 (27.6)	11 (19.0)
N.A.	1	3
p27		
0% positive	3 (10.0)	1 (1.7)
1-10% positive	1 (3.3)	0 (0)
11-19% positive	9 (30.0)	13 (21.7)
20-50% positive	7 (23.3)	19 (31.7)
>50% positive	10 (33.3)	27 (45.0)
N.A.	0	1
p27 (staining intensity)		
Negative	3 (10.0)	1 (1.7)
Faint	2 (6.7)	7 (11.7)
Intermediate	16 (53.3)	23 (38.3)
Strong	9 (30.0)	29 (48.3)
N.A.	0	1
MDM2 (staining intensity) ^d		

Negative	27 (93.1)	53 (94.6)
Faint	2 (6.9)	3 (5.4)
Intermediate	0 (0)	0 (0)
Strong	0 (0)	0 (0)
N.A.	1	5

^aNot classified for staining intensity due to little variation in staining intensity (RB, Ki-67, cyclin E, cyclin D1, p16, p21) or because grading based on the percentage of positive nuclei is conventional (p53).

^bExpression intensity varied from faint to strong within TMA cores.

^cUniformly faint staining in the few positive cases.