

Supplemental Table 1: Statistical analyses of histological assessments of mouse tumor tissues described in Table 1. The two tables on the bottom describe the statistical assessments of p120 staining in select tumor tissues depicted in Figure 7.

All Mice												
	Haired Skin				Oral Mucosa				Hyperplasia			
	SCC	No SCC			SCC	No SCC			Yes	No		
MmuPV1+DBP	11	5			MmuPV1+DBP	4	12			MmuPV1+DBP	16	0
DBP	1	18			DBP	1	18			DBP	12	7
			OR = 34.4					OR = 5.71				OR = Inf
			p = 1.62e-4					p = 1.56e-1				p = 9.19e-3

	Haired Skin				Oral Mucosa				Hyperplasia			
	SCC	No SCC			SCC	No SCC			Yes	No		
MmuPV1+DBP	11	5			MmuPV1+DBP	4	12			MmuPV1+DBP	16	0
MmuPV1	0	6			MmuPV1	0	6			MmuPV1	6	0
			OR = Inf					OR = Inf				OR = 0
			p = 1.24e-2					p = 5.41e-1				p = 1

Male Mice												
	Haired Skin				Oral Mucosa				Hyperplasia			
	SCC	No SCC			SCC	No SCC			Yes	No		
MmuPV1+DBP	5	4			MmuPV1+DBP	3	6			MmuPV1+DBP	9	0
DBP	1	8			DBP	0	9			DBP	3	6
			OR = 8.69					OR = Inf				OR = Inf
			p = 1.31e-1					p = 2.06e-1				p = 9.05e-3

	Haired Skin				Oral Mucosa				Hyperplasia			
	SCC	No SCC			SCC	No SCC			Yes	No		
MmuPV1+DBP	5	4			MmuPV1+DBP	3	6			MmuPV1+DBP	9	0
MmuPV1	0	3			MmuPV1	0	6			MmuPV1	3	0
			OR = Inf					OR = Inf				OR = 0
			p = 2.05e-1					5.09E-01				p = 1

Female Mice												
	Haired Skin				Oral Mucosa				Hyperplasia			
	SCC	No SCC			SCC	No SCC			Yes	No		
MmuPV1+DBP	6	1			MmuPV1+DBP	1	6			MmuPV1+DBP	7	0
DBP	0	10			DBP	1	9			DBP	9	1
			OR = Inf					OR = 1.46				OR = Inf
			p = 5.66e-4					p = 1				p = 1

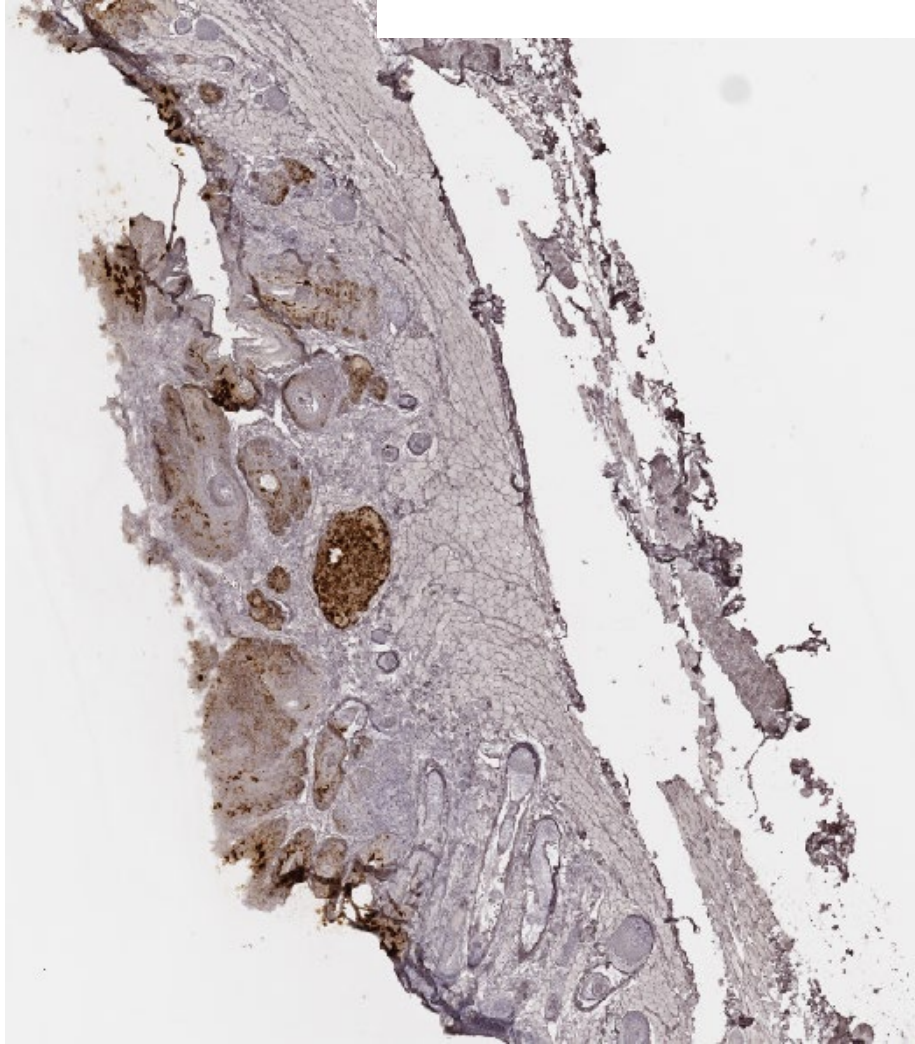
	Haired Skin				Oral Mucosa				Hyperplasia			
	SCC	No SCC			SCC	No SCC			Yes	No		
MmuPV1+DBP	6	1			MmuPV1+DBP	1	6			MmuPV1+DBP	7	0
MmuPV1	0	3			MmuPV1	0	3			MmuPV1	3	0
			OR = Inf					OR = Inf				OR = 0
			p = 3.33e-2					p = 1				p = 1

All Mice	
Normal vs. Pre-Malignant	p = 3.47e-1
Normal vs. Malignant	p = 2.35e-1

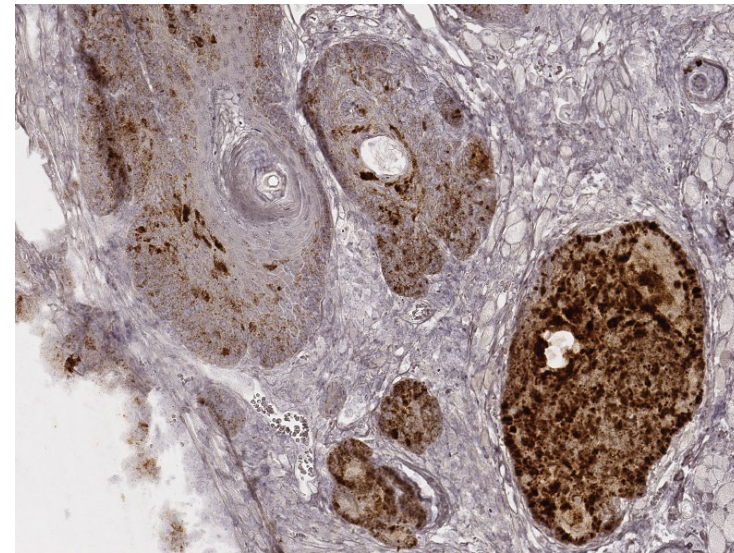
All Mice but 1-3 (outlier)	
Normal vs. Pre-Malignant	p = 5.03e-2
Normal vs. Malignant	p = 1.29e-2

Supplemental Figure 1: E4 MmuPV1 RNA in situ hybridization from mouse 3-1 (UOM) showing viral tumor tissues with foci that are strongly positive for viral RNA and several foci that are weakly positive for viral RNA.

MmuPV1 +DBP Group



3-1UOM
E4RNA-ISH



Supplemental Figure 2: E4 MmuPV1 RNA in situ hybridization from mouse 1-2 (UOM) showing tumor tissues strongly positive for viral RNA.

MmuPV1 +DBP Group

