

Table 2. Merkel cell quantification

Figure	Genotype	Age	n (sections)	Marker	Total MCs	Total (mm)	cell/mm
1A	WT	P0	13	K18	318	127	2.5
	Ezh1/2 2KO	P0	16	K18	1285	150	8.6
	WT	P90	8	K18	2	84	0.0
	Ezh1/2 2KO	P90	11	K18	95	83	1.1
	WT	P0	6	K20	94	72	1.3
	Ezh1/2 2KO	P0	7	K20	298	52	5.7
	WT	P90	7	K20	5	81	0.1
	Ezh1/2 2KO	P90	5	K20	33	39	0.8
1G	WT	P0	5	TEM	37	9	4.1
	Ezh1/2 2KO	P0	5	TEM	120	8.7	13.8
3E	WT	E15	10	Sox2/K20	0	109	0.0
				Sox2	19		0.2
	WT	E17	8	Sox2/K20	99	97	1.0
				Sox2	151		1.6
	WT	P0	7	Sox2/K20	74	68	1.1
3F				Sox2	26		0.4
	WT	E15	8	Sox2	14	90	0.2
	Ezh1/2 2KO	E15	8	Sox2	45	83	0.5
4C	WT	P2	5	K18	156	82	1.9
	Sox2cKO	P2	6	K18	16	80	0.2
4D	WT	P2	6	K20	112	73	1.5
	Sox2cKO	P2	6	K20	5	80	0.1
4E	WT	P2	5	TEM	37	9	4.1
	Sox2cKO	P2	5	TEM	3	9.5	0.3
4F	WT	P22	8	K20	5	99	0.1
	Sox2cKO	P22	8	K20	2	95	0.0
5G	WT (Atoh1-GFP)	P0	9	Atoh1-GFP	226	103	2.2
	Sox2cKO/Atoh1-GFP	P0	11	Atoh1-GFP	144	86	1.7
	WT (Atoh1-GFP)	P35	8	Atoh1-GFP	16	103	0.2
	Sox2cKO/Atoh1-GFP	P35	8	Atoh1-GFP	0	92	0.0
6A	WT	P0	5	TEM	37	9	4.1
	3KO	P0	5	TEM	13	5.8	2.2
6C	Ezh1/2 2KO	P0	7	K20	119	24	5.0
	3KO	P0	4	K20	5	53	0.1
	Ezh1/2 2KO	P0	8	Rab3C	128	56	2.3
	3KO	P0	5	Rab3C	10	64	0.2

Supplemental Figures

S1F	WT (WF)	P0	22	K20	144	4.4	32.7
	Ezh1/2 2KO (WF)	P0	8	K20	76	2.1	36.2
	WT (W-IFE)	P0	7	K20	68	7.2	9.4
	Ezh1/2 2KO (W-IFE)	P0	5	K20	81	5.4	15.0
	WT (Paw)	P0	28	K20	63	13.3	4.7
	Ezh1/2 2KO (Paw)	P0	21	K20	137	13.3	10.3
S1G	WT	E15	6	Guard hairs	156 HF	86	1.8
	Ezh1/2 2KO	E15	6	Guard hairs	185 HF	87	2.1
S2I	WT	P0	18 clusters	# of K18/cluster	458	81	5.7
	Ezh1/2 2KO	P0	28 clusters	# of K18/cluster	455	84	5.4
	WT	P0	11	#cluster/mm	71	133	0.5
	Ezh1/2 2KO	P0	6	#cluster/mm	278	110	2.5
S4N	WT (WF)	P0	22	K20	144	4.4	32.7
	Sox2cKO (WF)	P0	4	K20	0	1.3	0.0
	WT (W-IFE)	P0	7	K20	68	7.2	9.4
	Sox2cKO (W-IFE)	P0	4	K20	0	2.5	0.0
	WT (Paw)	P0	28	K20	63	13.3	4.7
	Sox2cKO (Paw)	P0	5	K20	0	3.3	0.0
S5A	WT (Atoh1-GFP)	P0	6	K20	94	67	1.4
S5E	Sox2cKO/Atoh1-GFP	P0	5	K20	0	44	0.0
	WT	P1	7	Isl1	121	70	1.7
	Sox2cKO	P1	8	Isl1	10	106	0.1
S6J	WT	P0	11	K18	200	38	5.3
S6O	Ezh1/2 2KO	P0	9	K18	180	76	2.4
	WT (WF)	P0	22	K20	144	4.4	32.7
	3KO (WF)	P0	8	K20	0	3.1	0.0
	WT (W-IFE)	P0	7	K20	68	7.2	9.4
	3KO (W-IFE)	P0	4	K20	0	2.7	0.0
	WT (Paw)	P0	28	K20	63	13.3	4.7
	3KO (Paw)	P0	10	K20	0	4.8	0.0

Markers were evaluated by IF or TEM. WF: Whisker Follicle; W-IFE: Whisker Interfollicular epidermis; HF: Hair follicle; 3KO: Ezh1/2 2KO Sox2cKO.