

Insights in Nutritional Strategies in Psoriasis

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Table S1. Recent genetically engineered mouse models of Ps.

Animal Model	Gene	Strain
IL-19 ^{-/-}	<i>Il19</i>	C57BL/6
IL20RB ^{-/-}	<i>Il20rb</i>	C57BL/6
CD11c-Ecaddel	<i>Cdh1</i>	C57BL/6
LATΔCD4	<i>Slc7a5</i>	C57BL/6
LATΔRΔT	<i>Slc7a5</i>	C57BL/6
LATΔK5	<i>Slc7a5</i>	C57BL/6
PARP1 ^{-/-}	<i>Parp1</i>	C57BL/6
BKS.Cg- + Leprdb/+ Leprdb (db/db)	<i>Lepr</i>	BKS
AhRcVECs-KO	<i>Ahr</i>	C57BL/6
icIL-1Ra1 ^{-/-}	<i>Ic1l1rn1</i>	C57BL/6
IL-1RaΔM	<i>Il1rn</i>	C57BL/6
Nrf2 ^{-/-}	<i>Nfe2l2</i>	C57BL/6
Raptor-f/f; CD2-cre (Raptor KO)	<i>Raptor</i>	C57BL/6
Rictor-f/f; CD2-cre (Rictor KO)	<i>Rictor</i>	C57BL/6
S1pr4 ^{-/-}	<i>S1pr4</i>	C57BL/6
Krt14Cre/+ hmgb1f/f	<i>Hmgb1</i>	C57BL/6
Il36rΔK	<i>Il1rl2</i>	C57BL/6
Il36r ^{-/-}	<i>Il1rl2</i>	C57BL/6
Trpc4 ^{-/-}	<i>Trpc4</i>	C57BL/6
KOB1 ^{-/-}	<i>Bdkrb1</i>	C57BL/6
KOB2 ^{-/-}	<i>Bdkrb2</i>	C57BL/6
KOB1B2 ^{-/-}	<i>Bdkrb1Bdkrb2</i>	C57BL/6
IRF5 ^{-/-}	<i>Irf5</i>	C57BL/6
miR-205-5p agomiR	<i>miR-205-5p</i>	BALB/c
C3 ^{-/-}	<i>C3</i>	C57BL/6
IL36rn ^{-/-}	<i>Il36rn</i>	C57BL/6
Ovol ^{-/-}	<i>Ovol1</i>	C57BL/6
humanized DITRA mice	<i>IL36RN</i>	
Trim21 siRNA	<i>Trim21</i>	BALB/c
Tg2 ^{-/-}	<i>Tg2</i>	BC57BL/6
Sirt2 ^{-/-}	<i>Sirt2</i>	C57BL/6N
IL-33 ^{-/-}	<i>Il33</i>	C57BL/6
St2 ^{-/-}	<i>St2</i>	C57BL/6
IL-33f/fK5Cre	<i>Il33</i>	C57BL/6
K17 siRNA	<i>K17</i>	BALB/c
Csf-1RiCreALK3fl/fl	<i>CSF1R-ALK3</i>	C57BL/6
S100a8 ^{-/-}	<i>S100a8</i>	C57BL/6

S100a9 ^{-/-} R26Cyp1a1 Ahr ^{-/-}	S100a9 Cyp1a1 Ahr	C57BL/6 C57BL/6 C57BL/6
K14creMalt1fl/fl	<i>Malt1</i>	C57BL/6
Zdhhc2 ^{-/-}	<i>Zdhhc2</i>	C57BL/6
C6st1 ^{-/-}	<i>Chst3</i>	C57BL/6
CD19cre-Itga4flox/flox	<i>Itga4</i>	C57BL/6
hCD20TAMCreItga4flox/flox	<i>Itga4</i>	C57BL/6
hCD20TAMCreIl10flox/flox	<i>Il10</i>	C57BL/6
Mapk8 ^{-/-}	<i>Mapk8</i>	C57BL/6
LysMCre Mapk8fl/fl, Mapk8 δ M	<i>LYSMD4-MAPK8</i>	C57BL/6
ItgaxCre Mapk8fl/fl, Mapk8 δ DC	<i>ITGAX-MAPK8</i>	C57BL/6
K14cre Mapk8fl/fl, Mapk8 δ Ep	<i>KRT14-MAPK8</i>	C57BL/6
PLA2G4B siRNA	<i>Pla2g4b</i>	C57BL/6
LRG ^{-/-}	<i>Lrg1</i>	C57BL/6
CCR4 ^{-/-}	<i>Ccr4</i>	C57BL/6
c-Jun Δ /Mx1-Cre	<i>cjun</i>	C57BL/6
c-Jun Δ /Cd11c-Cre	<i>cjun</i>	C57BL/6
c-Jun Δ /K5ERT2-Cre	<i>cjun</i>	C57BL/6
Tlr7 ^{-/-}	<i>Tlr7</i>	C57BL/6
Ccl2 ^{-/-}	<i>Ccl2</i>	C57BL/6
Nedd4l ^{-/-}	<i>Nedd4l</i>	BALB/c
Nedd4l/f Krt14Cre	<i>Nedd4l</i>	BC57BL/6
ApoE/SKH-hr2	<i>ApoE/Skh-hr2</i>	C57BL/6 and BALB/c
sh-EZH2	<i>Ezh2</i>	BALB/c
N4BP1 ^{-/-}	<i>N4bp1</i>	C57BL/6
Δ Ctermut/mut	<i>Il22ra1</i>	B6D2x C57BL/6
Il22ra1 ^{-/-}	<i>Il22ra1</i>	C57BL/6
OFA RAT	<i>Dsg-4</i>	Sprague-Dawley RAT
miR-149	<i>miR-149</i>	C57BL/6
SRSF10	<i>mSRSF10</i>	BALB/c
E130307A14-Rik	<i>E130307A14-Rik</i>	BALB/c
Rag2 ^{-/-} + shCDK7 CD4 ⁺ T cells	<i>Rag2, Cdk7</i>	C57BL/6

Table S2. Ps animal model that over-express keratinocyte cell specific promoters.

Molecule Type	Name
Cytokines	IL6, TNFA, IL1a, IFN γ , IL12b, IL36a, IL36a/IL36rn, IL20, IL23
Adhesion molecules	ITGB1, ITGA2-IGAB1, ITGA5-ITGAB1
Growth factors	KGF, TGFB1, Tgfb1, BMP6, AREG, Vegfa, Tgfa, Angptl6
Signaling molecules and transcription factors	MAP2K1, Stat3c, Rac1v12, Mek1
Hormones	Leptin