

Supplementary Table 4. Human and mouse skin share overlapping cell type specific regulons (CTSRs).

Dataset	Overlapping regulons	All regulons	Method
Human skin in psoriasis	ETS2, IRF3, SP2, FLI1, KLF5, MAZ, STAT1, SP1, WT1, SP4, SALL4, SRBP2, FOXJ3, PITX2, ZN148, ZN281	ETS2, IRF3, SP2, FLI1, KLF5, MAZ, STAT1, SP1, WT1, SP4, SALL4, SRBP2, FOXJ3, PITX2, ZN148, ZN281, E2F7, TBX21, NFAC1, ZN467, VEZF1, SPIB, PRDM6, ZN341, PTF1A, PATZ1, ZN263, SP3, E2F6, CPEB1, ZN350, LMX1A, TFE2, KLF12, TBX1, RXRA, ZN770, Z324A, PBX1, COT1, NFIB, EGR4, TBX15, RARB, KLF3, KLF1, ZFX, KAISO, HXD13, RARA	IRIS3
Mouse skin cell (anagen, 5w)	ETS2, IRF3, SP2, FLI1, KLF5, MAZ, STAT1, SP1, WT1, SP4, SALL4, SRBP2, FOXJ3, PITX2, ZN281	ETS2, IRF3, SP2, SPIB, FLI1, KLF5, MAZ, STAT1, SP3, SP1, WT1, SP4, SALL4, SRBP2, KLF3, FOXJ3, ZFX, PITX2, ZN281, HMGA1, SPI1, STF1, ERR2, SALL1, ZN143, FUBP1, ETV2, NR5A2, BATF, EGR1, SRY, ELF5, FOXJ2, KLF15, ANDR, SP5, HNF6, BHA15, RXRG, SMAD4, RFX6, THA, KLF6, ZBT17, HAND1, FOXD3, STA5A, MYB, THA11, IRF4, ZN322, FOXQ1, RREB1, FOXD1, RUNX3, E2F1, MAFK	IRIS3
Mouse skin cell (telogen, 9w)	ETS2, IRF3, SP2, FLI1, KLF5, MAZ, STAT1, SP1, WT1, SP4, SALL4, SRBP2, FOXJ3, PITX2, ZN148, ZN281	ETS2, IRF3, SP2, FLI1, KLF5, MAZ, STAT1, SP1, WT1, SP4, SALL4, SRBP2, FOXJ3, PITX2, ZN148, ZN281, ESR1, RREB1, PRD16, OLIG2, STF1, GLI3, FUBP1, FOXJ2, SALL1, SP5, NR2C1, ELF5, PURA, EGR2, ANDR, ETV2, SOX9, SMAD3, ZBT17, SMAD2, KLF15, E2F3, IRF5, SMAD4, NFIC, RXRG, SRY, SPI1, ERR2	IRIS3