Mendelian randomization analysis of the causal relationship between immune cells and keloid

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SUPPLEMENTARY MATERIAL

Supplementary Figure 1. Forest plot showing the causal relationship of each SNP in different immune cell traits to keloid risk.
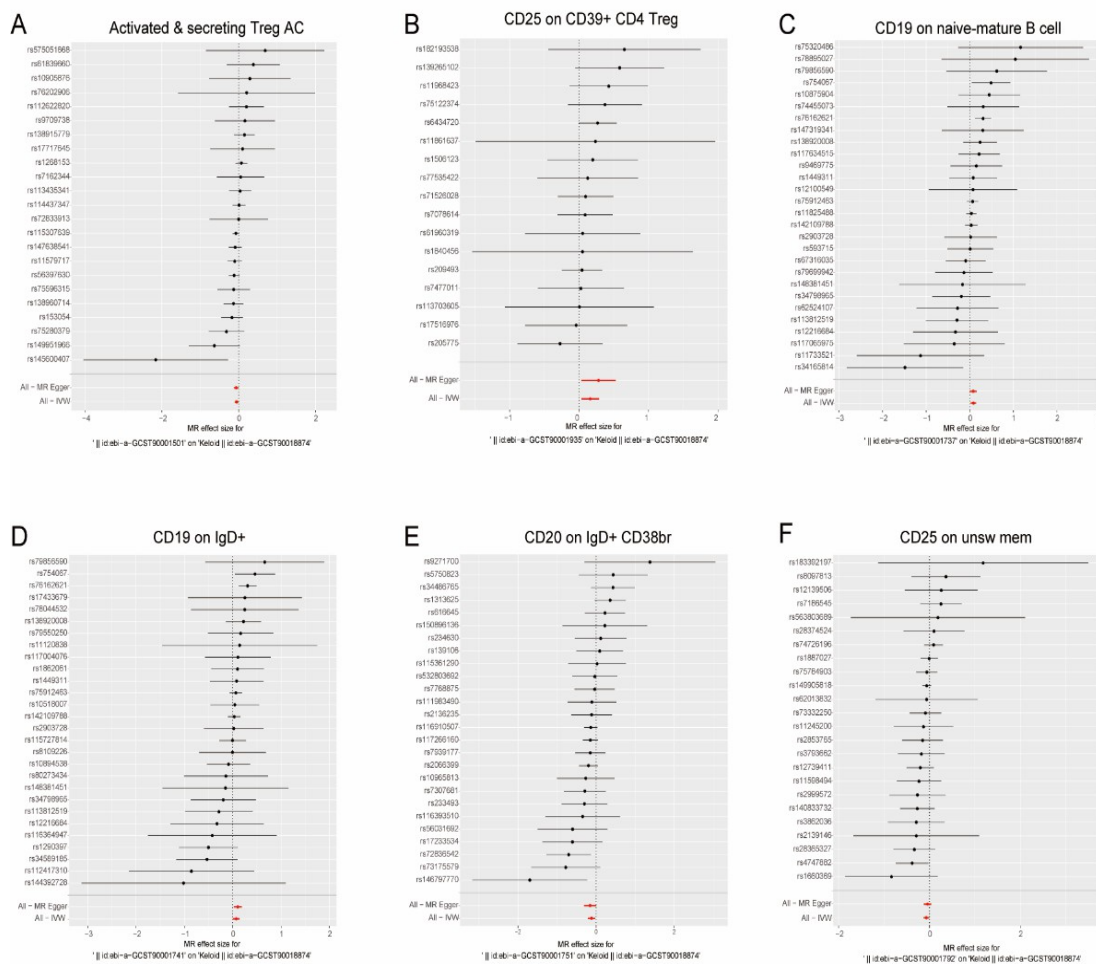
Supplementary Figure 2. Leave-one-out plot to visualize the causal effect of the six immune cell traits on keloid risk when leaving one SNP out.
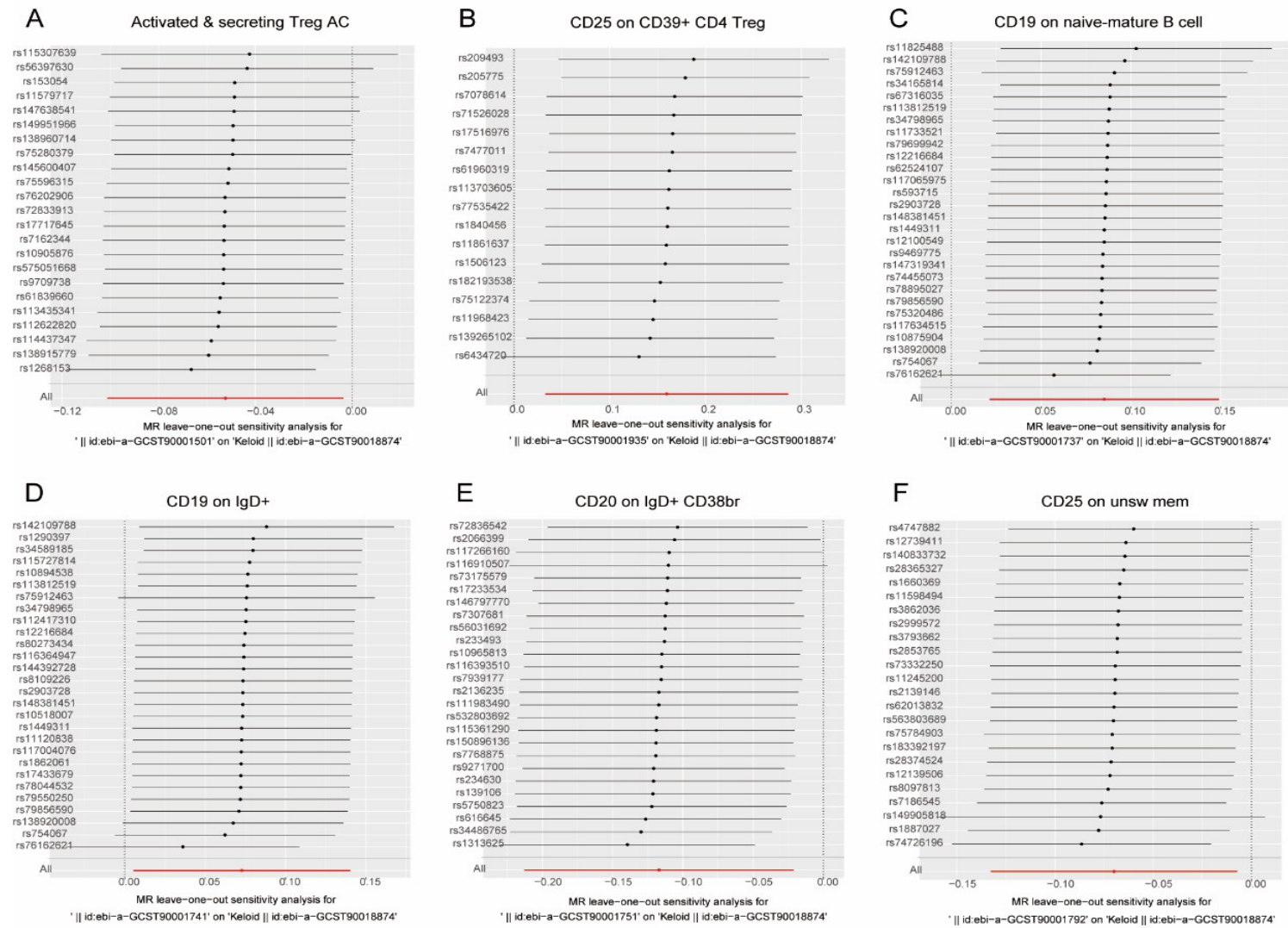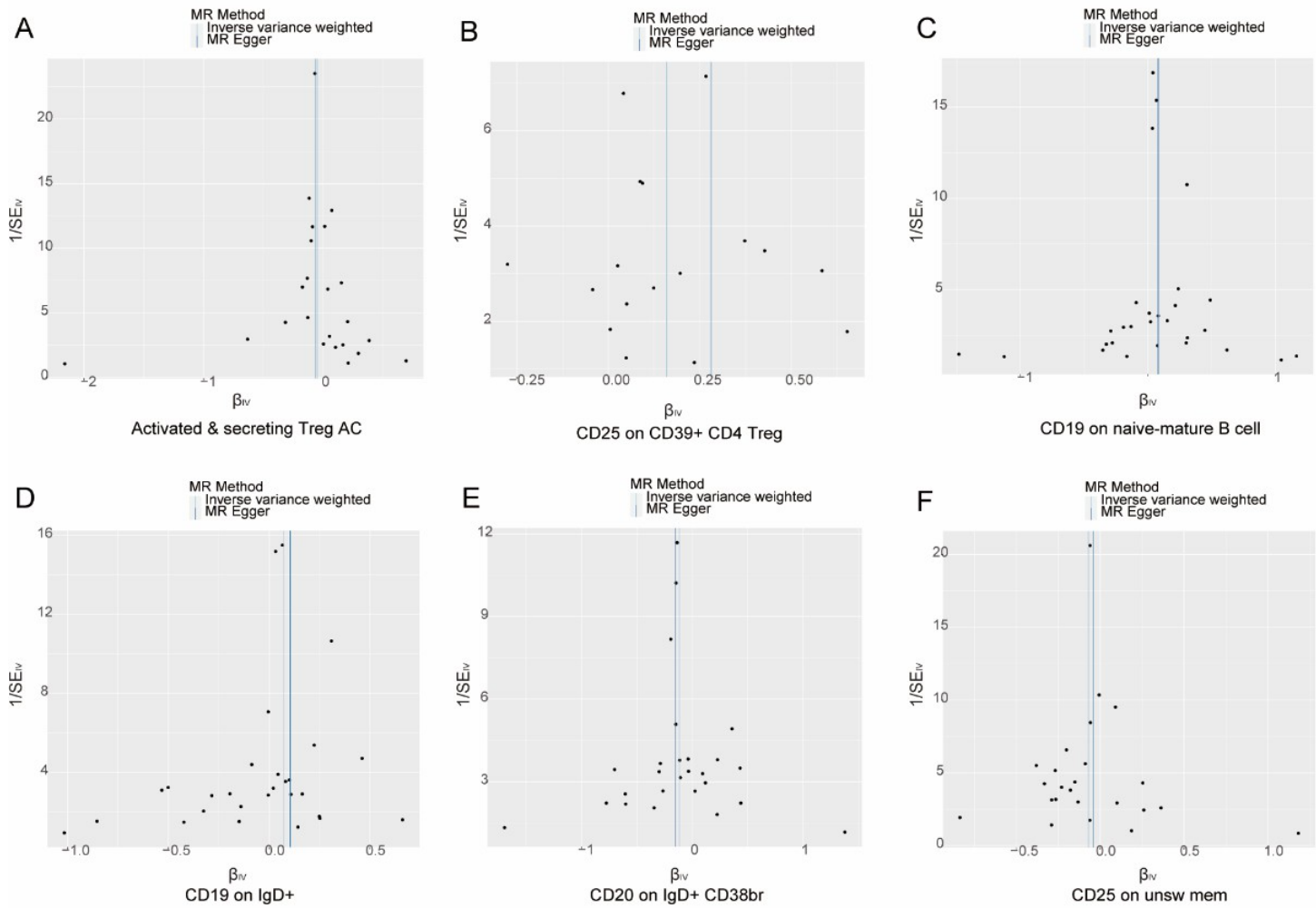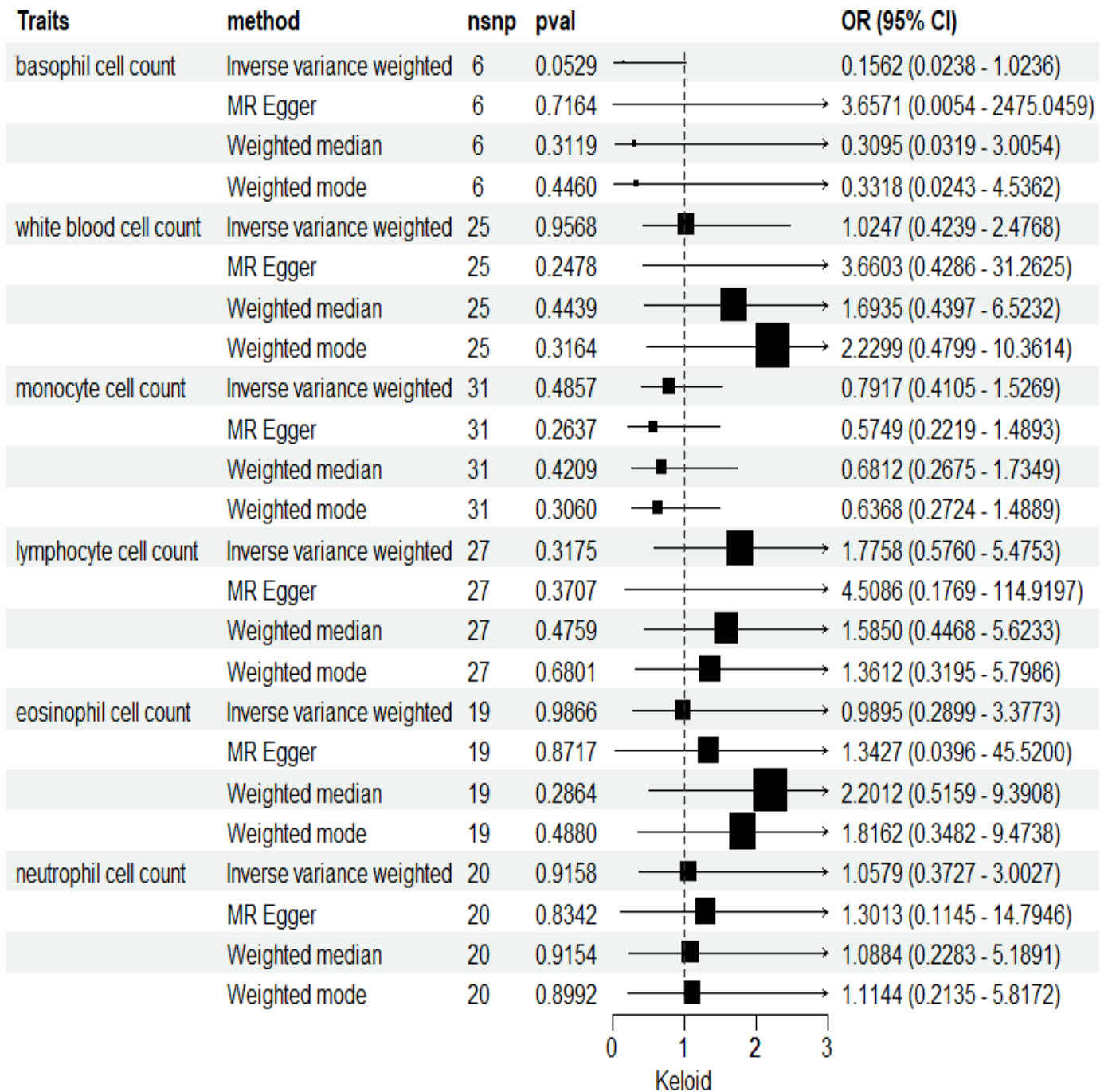
Supplementary Figure 3. Scatter plot showing the causal effect of the six immune cell traits on the risk of keloid.
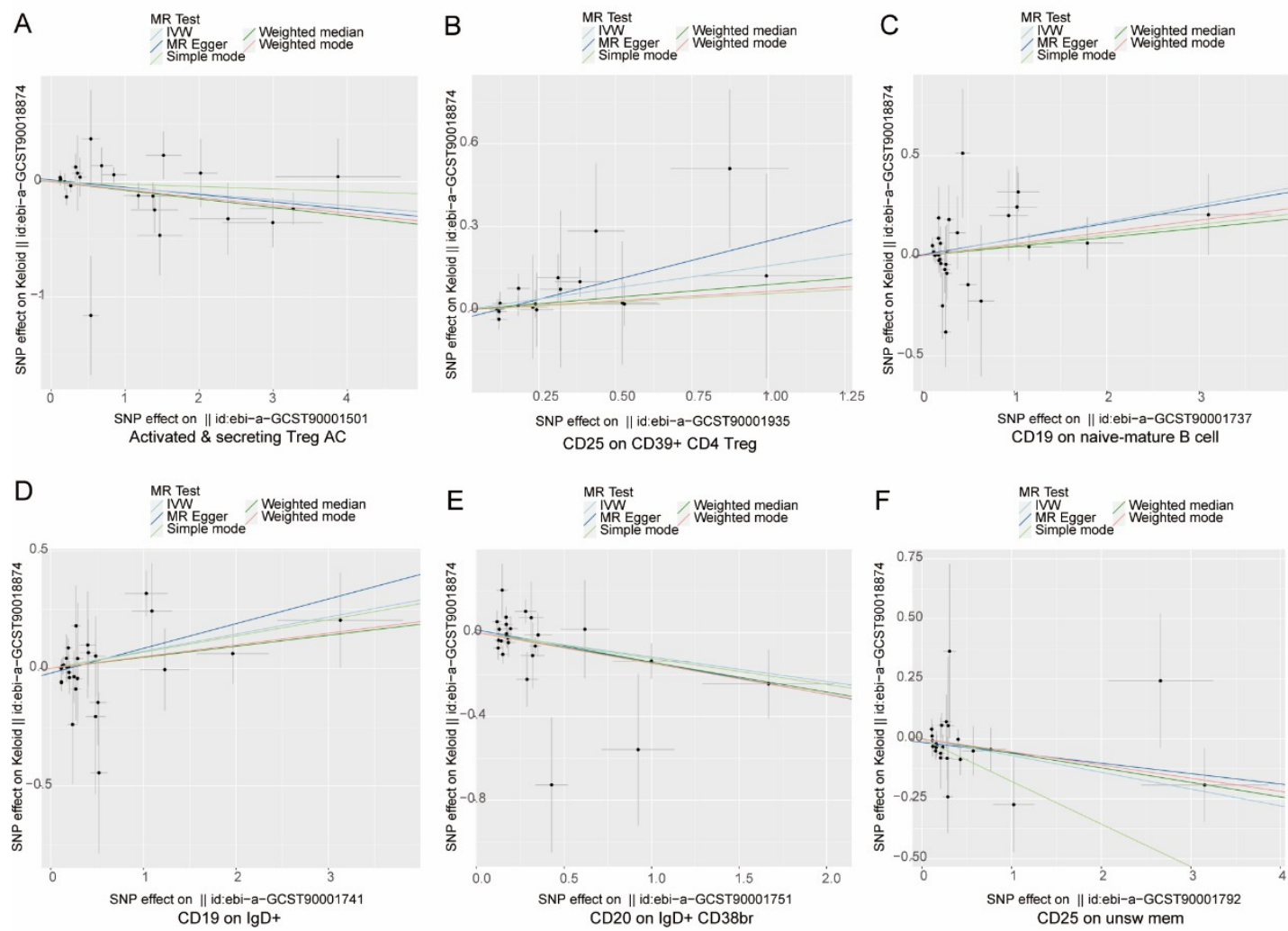
Supplementary Figure 4. Funnel plots to visualize the overall heterogeneity of MR estimates for the effect of the six immune cell traits on keloid.

Supplementary Figure 5. Forest plot for the causal effect of peripheral immune cells on the risk of keloid.

Traits	method	nsnp	pval		OR (95% CI)
basophil cell count	Inverse variance weighted	6	0.0529		0.1562 (0.0238 - 1.0236)
	MR Egger	6	0.7164		3.6571 (0.0054 - 2475.0459)
	Weighted median	6	0.3119		0.3095 (0.0319 - 3.0054)
	Weighted mode	6	0.4460		0.3318 (0.0243 - 4.5362)
white blood cell count	Inverse variance weighted	25	0.9568		1.0247 (0.4239 - 2.4768)
	MR Egger	25	0.2478		3.6603 (0.4286 - 31.2625)
	Weighted median	25	0.4439		1.6935 (0.4397 - 6.5232)
	Weighted mode	25	0.3164		2.2299 (0.4799 - 10.3614)
monocyte cell count	Inverse variance weighted	31	0.4857		0.7917 (0.4105 - 1.5269)
	MR Egger	31	0.2637		0.5749 (0.2219 - 1.4893)
	Weighted median	31	0.4209		0.6812 (0.2675 - 1.7349)
	Weighted mode	31	0.3060		0.6368 (0.2724 - 1.4889)
lymphocyte cell count	Inverse variance weighted	27	0.3175		1.7758 (0.5760 - 5.4753)
	MR Egger	27	0.3707		4.5086 (0.1769 - 114.9197)
	Weighted median	27	0.4759		1.5850 (0.4468 - 5.6233)
	Weighted mode	27	0.6801		1.3612 (0.3195 - 5.7986)
eosinophil cell count	Inverse variance weighted	19	0.9866		0.9895 (0.2899 - 3.3773)
	MR Egger	19	0.8717		1.3427 (0.0396 - 45.5200)
	Weighted median	19	0.2864		2.2012 (0.5159 - 9.3908)
	Weighted mode	19	0.4880		1.8162 (0.3482 - 9.4738)
neutrophil cell count	Inverse variance weighted	20	0.9158		1.0579 (0.3727 - 3.0027)
	MR Egger	20	0.8342		1.3013 (0.1145 - 14.7946)
	Weighted median	20	0.9154		1.0884 (0.2283 - 5.1891)
	Weighted mode	20	0.8992		1.1144 (0.2135 - 5.8172)

Keloid: 0 1 2 3

IVW, inverse variance weighting; CI, confidence interval.