AIP

Study name	Subgroup within study	Difference in means	p-Value	Difference in means and 95% CI
Study1	L1	-0.799	0.725	
Study2	L3	-1.059	0.446	
Study2	L2	0.596	0.669	
Study3	L6	25.174	0.000	
Study3	L7	-15.284	0.000	
Study3	L4	9.988	0.204	
Study3	L5	4.713	0.621	
Study4	L9	2.787	0.025	
Study4	L8	2.547	0.229	
Study4	L10	-3.175	0.465	
Study4	L11	2.338	0.619	
Study5	L12	12.213	0.000	
Study6	L13	3.528	0.660	
		5.308	0.000	

-40.00 -20.00   0.00   20.00   40.00

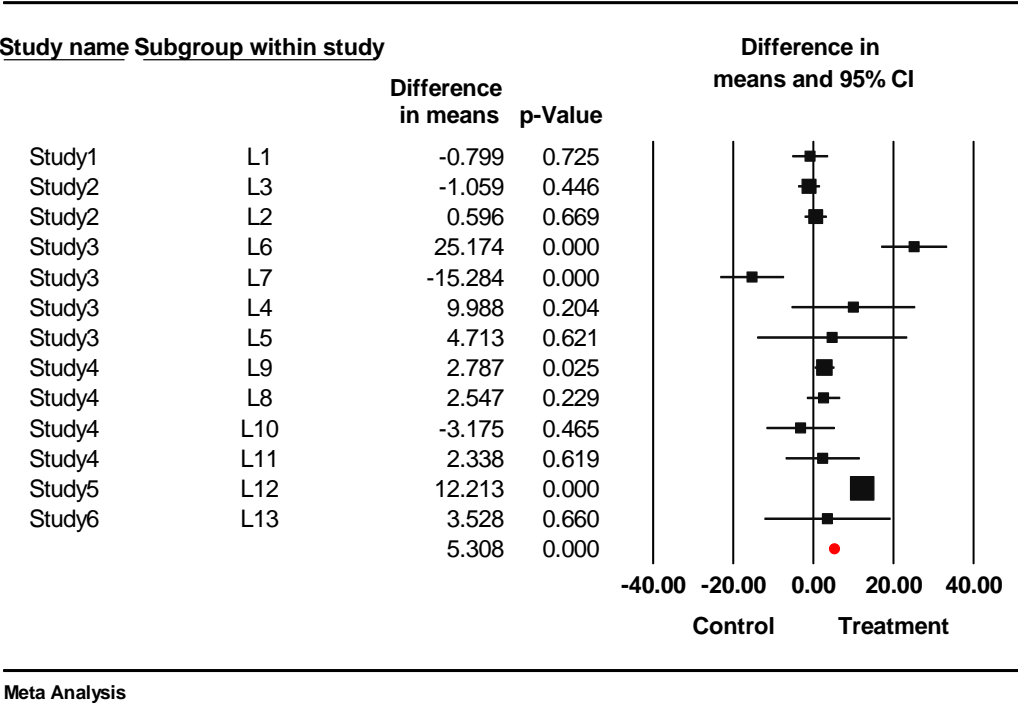Control   Treatment

Meta Analysis

Figure S1. RPKM meta-analysis of thirteen datasets for overall expression of AIP in treated and control groups. The forest plot shows the differences in RPKM levels. The red circle shows the summary of the overall Fixed-effect and Random-effect sizes across all studies. The effect size direction is higher than zero if the expression is higher in treated samples.
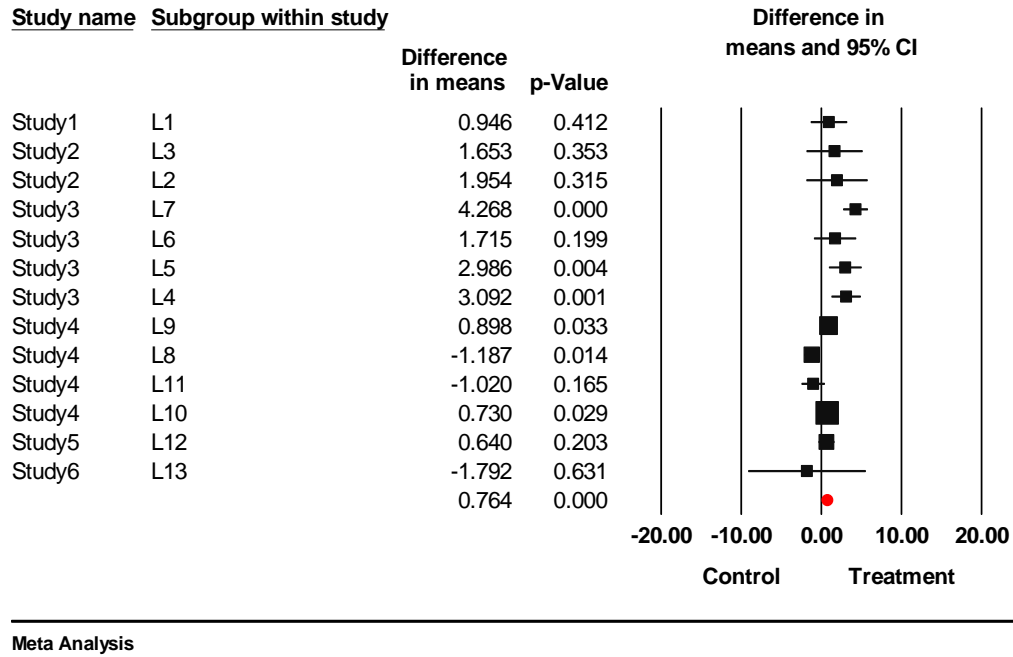
VGLL4

Study name	Subgroup within study	Difference in means	p-Value	Difference in means and 95% CI
Study1	L1	0.946	0.412	
Study2	L3	1.653	0.353	
Study2	L2	1.954	0.315	
Study3	L7	4.268	0.000	
Study3	L6	1.715	0.199	
Study3	L5	2.986	0.004	
Study3	L4	3.092	0.001	
Study4	L9	0.898	0.033	
Study4	L8	-1.187	0.014	
Study4	L11	-1.020	0.165	
Study4	L10	0.730	0.029	
Study5	L12	0.640	0.203	
Study6	L13	-1.792	0.631	
		0.764	0.000	

-20.00 -10.00 0.00 10.00 20.00

Control   Treatment

Meta Analysis

Figure S2. RPKM meta-analysis of thirteen datasets for overall expression of VGLL4 in treated and control groups. The forest plot shows the differences in RPKM levels. The red circle shows the summary of the overall Fixed-effect and Random-effect sizes across all studies. The effect size direction is higher than zero if the expression is higher in treated samples.
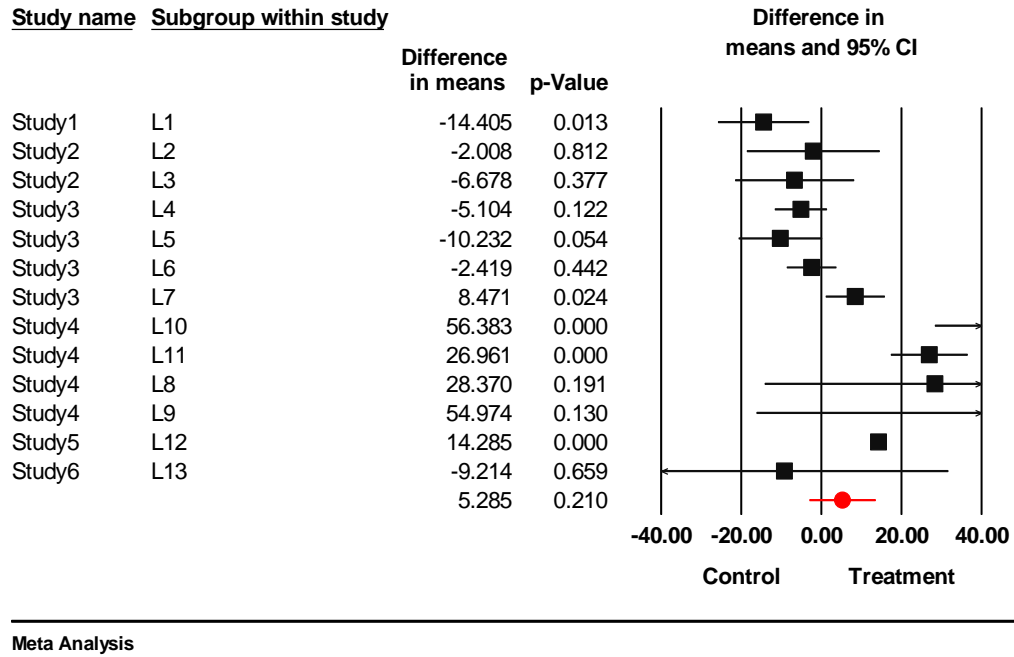
ID1

Study name	Subgroup within study	Difference in means	p-Value	Difference in means and 95% CI
Study1	L1	-14.405	0.013	
Study2	L2	-2.008	0.812	
Study2	L3	-6.678	0.377	
Study3	L4	-5.104	0.122	
Study3	L5	-10.232	0.054	
Study3	L6	-2.419	0.442	
Study3	L7	8.471	0.024	
Study4	L10	56.383	0.000	
Study4	L11	26.961	0.000	
Study4	L8	28.370	0.191	
Study4	L9	54.974	0.130	
Study5	L12	14.285	0.000	
Study6	L13	-9.214	0.659	
		5.285	0.210	

-40.00 -20.00 0.00 20.00 40.00

Control   Treatment

Meta Analysis

Figure S3. RPKM meta-analysis of thirteen datasets for overall expression of ID1 in treated and control groups. The forest plot shows the differences in RPKM levels. The center of the circle shows the summary of the overall Random-effect size across all studies. The effect size direction is higher than zero if the expression is higher in treated samples.

ID1

Study name	Subgroup within study	Difference in means	p-Value
Study1	L1	-14.405	0.013
Study2	L2	-2.008	0.812
Study2	L3	-6.678	0.377
Study3	L4	-5.104	0.122
Study3	L5	-10.232	0.054
Study3	L6	-2.419	0.442
Study3	L7	8.471	0.024
Study4	L10	56.383	0.000
Study4	L11	26.961	0.000
Study4	L8	28.370	0.191
Study4	L9	54.974	0.130
Study5	L12	14.285	0.000
Study6	L13	-9.214	0.659
		13.463	0.000

Difference in means and 95% CI

-40.00 -20.00 0.00 20.00 40.00
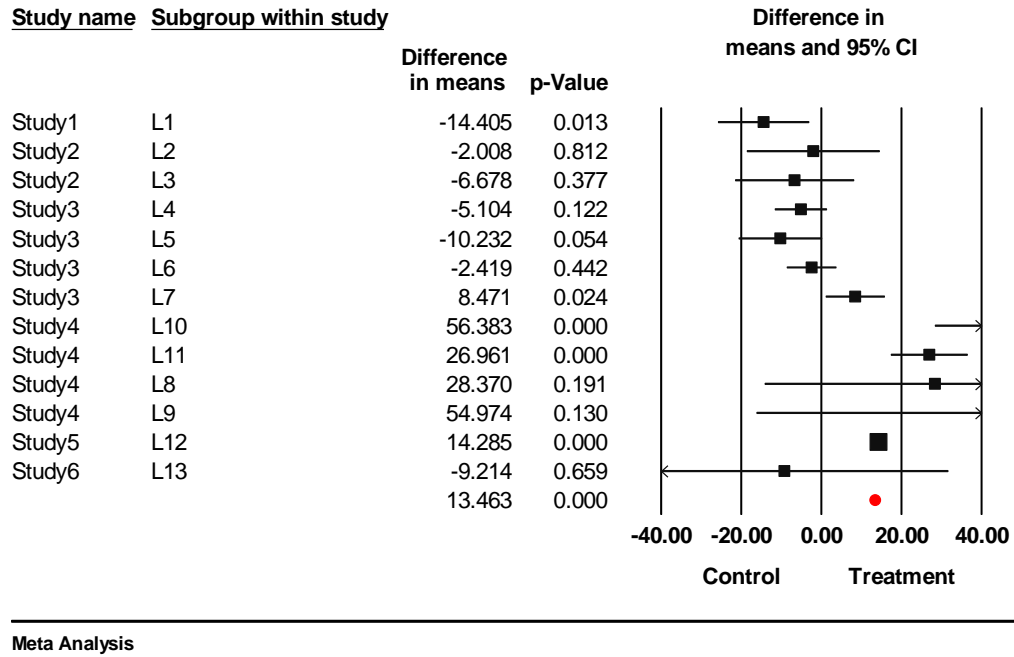
Control   Treatment

Meta Analysis

Figure S4. RPKM meta-analysis of thirteen datasets for overall expression of ID1 in treated and control groups. The center of the circle shows the summary of the overall Fixed-effect size across all studies. The effect size direction is higher than zero if the expression is higher in treated samples.