LM Coefficients for: H2O2_100.000_Disulfiram_1.0 ER gasdermin Mito 2 Feature group (if applicable) 0 AreaShape Correlation Granularity Intensity Location Neighbors RadialDistribution nuclei PM other Texture R2 score 0.00 0.25 0.50 0 0.75 1.00 -2

Cell count contribution (LM beta coefficient)

0e+00

-4e-04

4e-04

-4e-04

0e+00

4e-04

4e-04

0e+00

-4e-04

Treatment dose contribution (LM beta coefficient)

LM Coefficients for: LPS_Nigericin_100.000_10.0_DMSO_0.025 ER gasdermin Mito 2 . Feature group (if applicable) AreaShape Treatment dose contribution (LM beta coefficient) Correlation Granularity Intensity Location Neighbors RadialDistribution nuclei other PM **Texture** R2 score 0.00 0.25 0.50 0.75 0 1.00 -2 -4e-04 0e+00 4e-04 -4e-04 0e+00 4e-04 -4e-04 0e+00 4e-04

Cell count contribution (LM beta coefficient)

LM Coefficients for: LPS_Nigericin_1.000_3.0_DMSO_0.025 ER gasdermin Mito 2 . Feature group (if applicable) AreaShape Treatment dose contribution (LM beta coefficient) Correlation Granularity Intensity Location Neighbors RadialDistribution PM nuclei other Texture R2 score 0.00 0.25 0.50 0.75 0 1.00 -2 --2.5e-040.0e+002.5e-045.0e-04 -2.5e-040.0e+002.5e-045.0e-04 -2.5e-040.0e+002.5e-045.0e-04 Cell count contribution (LM beta coefficient)

LM Coefficients for: LPS_Nigericin_1.000_10.0_Disulfiram_1.0 ER gasdermin Mito 2 Feature group (if applicable) 0 AreaShape Treatment dose contribution (LM beta coefficient) Correlation Granularity Intensity Location Neighbors RadialDistribution nuclei other PM **Texture** R2 score 0.00 0.25 0.50 0.75 0 1.00 -1-2 -3e-04 0e+00 6e-04 -3e-04 0e+00 3e-04 -3e-04 0e+00 3e-04 6e-04 Cell count contribution (LM beta coefficient)

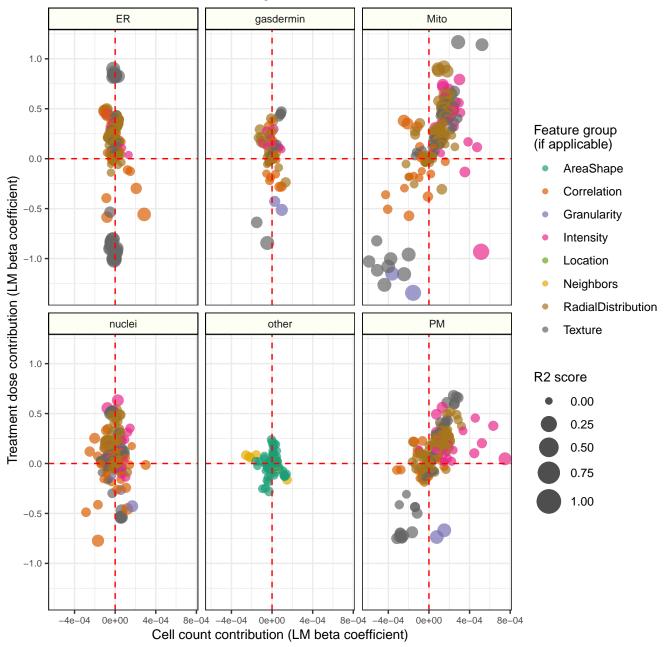
LM Coefficients for: LPS_Nigericin_1.000_10.0_DMSO_0.025 ER gasdermin Mito 2 Feature group (if applicable) AreaShape Treatment dose contribution (LM beta coefficient) Correlation Granularity Intensity Location Neighbors RadialDistribution PM nuclei other Texture R2 score 0.00 0.25 0.50 0.75 1.00 -2 **-**-2.5e-040.0e+002.5e-045.0e-04 -2.5e-040.0e+002.5e-045.0e-04 -2.5e-040.0e+002.5e-045.0e-04 Cell count contribution (LM beta coefficient)

LM Coefficients for: LPS_100.000_DMSO_0.025 ER gasdermin Mito Feature group (if applicable) AreaShape Treatment dose contribution (LM beta coefficient) Correlation Granularity Intensity Location Neighbors RadialDistribution PM nuclei other Texture R2 score 0.00 0.25 0.50 0.75 1.00 -1 -2.5e-040.0e+002.5e-045.0e-04 -2.5e-040.0e+002.5e-045.0e-04 -2.5e-040.0e+002.5e-045.0e-04 Cell count contribution (LM beta coefficient)

LM Coefficients for: LPS_Nigericin_100.000_3.0_DMSO_0.025 ER gasdermin Mito Feature group (if applicable) AreaShape Treatment dose contribution (LM beta coefficient) Correlation Granularity Intensity Location Neighbors RadialDistribution PM nuclei other Texture R2 score 0.00 0.25 0.50 0.75 1.00 -2e-04 0e+00 2e-04 4e-04 -2e-04 0e+00 2e-04 4e-04 -2e-04 0e+00 2e-04 4e-04 Cell count contribution (LM beta coefficient)

LM Coefficients for: Thapsigargin_10.000_DMSO_0.025 ER gasdermin Mito 1.0 0.5 Feature group (if applicable) 0.0 AreaShape Treatment dose contribution (LM beta coefficient) Correlation Granularity Intensity -1.0 Location Neighbors RadialDistribution nuclei PM other **Texture** 1.0 R2 score 0.5 0.00 0.25 0.50 0.0 0.75 1.00 -0.5 -1.0 4e-04 -4e-04 0e+00 4e-04 -4e-04 0e+00 -4e-04 0e+00 4e-04 Cell count contribution (LM beta coefficient)

LM Coefficients for: LPS_Nigericin_1.000_10.0_Z-VAD-FMK_100.0



LM Coefficients for: LPS_Nigericin_100.000_1.0_DMSO_0.025 ER gasdermin Mito 1.0 0.5 Feature group (if applicable) AreaShape 0.0 Treatment dose contribution (LM beta coefficient) Correlation Granularity Intensity Location Neighbors RadialDistribution nuclei PM other Texture R2 score 0.00 0.5 0.25 0.50 0.75 0.0 1.00 -0.5 -1.0-3e-04 0e+00 3e-04 6e-04 -3e-04 0e+00 3e-04 6e-04 -3e-04 0e+00 3e-04

Cell count contribution (LM beta coefficient)

LM Coefficients for: Flagellin_1.000_Disulfiram_1.0 ER gasdermin Mito 0.5 Feature group (if applicable) 0.0 AreaShape Treatment dose contribution (LM beta coefficient) Correlation -0.5 Granularity Intensity Location Neighbors RadialDistribution PM nuclei other **Texture** R2 score 0.5 0.00 0.25 0.50 0.0 0.75 1.00 -0.5 -1.05e-04 -5e-04 0e+00 5e-04 -5e-04 0e+00 -5e-04 0e+00 5e-04 Cell count contribution (LM beta coefficient)

LM Coefficients for: LPS_10.000_Disulfiram_0.1 ER gasdermin Mito 1.0 0.5 Feature group (if applicable) 0.0 AreaShape Treatment dose contribution (LM beta coefficient) Correlation Granularity -0.5 Intensity Location 1.0 Neighbors RadialDistribution PM nuclei other Texture 1.0 R2 score 0.00 0.5 0.25 0.50 0.0 0.75 1.00 -0.5-1.0 -5.0e - 92.5e - 040e + 02.5e - 05.0e - 07.5e - 05.0e - 07.5e - 040e + 02.5e - 05.0e - 07.5e - 07.5Cell count contribution (LM beta coefficient)

LM Coefficients for: LPS_10.000_Disulfiram_2.5 ER gasdermin Mito 0.5 Feature group (if applicable) 0.0 AreaShape Treatment dose contribution (LM beta coefficient) Correlation Granularity Intensity Location Neighbors RadialDistribution nuclei other PM Texture R2 score 0.5 0.00 0.25 0.50 0.0 0.75 1.00 -0.5 -1.0

Cell count contribution (LM beta coefficient)

 $-6e-04-3e-04 \ 0e+00 \ 3e-04 \ 6e-046e-04-3e-04 \ 0e+00 \ 3e-04 \ 6e-04-3e-04 \ 0e+00 \ 3e-04 \ 6e-046e-04-3e-04 \ 0e+00 \ 3e-04 \ 6e-046e-04-04 \ 0e+00 \ 3e-04 \ 0e+00 \$

LM Coefficients for: Disulfiram_1.000_DMSO_0.025 ER gasdermin Mito 0.5 Feature group (if applicable) 0.0 AreaShape Treatment dose contribution (LM beta coefficient) Correlation Granularity Intensity Location Neighbors RadialDistribution nuclei PM other Texture 0.5 R2 score 0.00 0.25 0.50 0.75 1.00 -0.5 -1.04e-04 -4e-04 0e+00 4e-04 -4e-04 0e+00 -4e-04 0e+00 4e-04 Cell count contribution (LM beta coefficient)

LM Coefficients for: LPS_10.000_Disulfiram_1.0 ER gasdermin Mito 0.5 Feature group (if applicable) 0.0 AreaShape Correlation Granularity -0.5 Intensity Location Neighbors RadialDistribution nuclei PM other Texture R2 score 0.00 0.25 0.50 0.0 0.75 1.00

Treatment dose contribution (LM beta coefficient) 0.5 -0.5 -1.0 8e-04 0e+00 4e-04 -4e-04 0e+00 4e-04 -4e-04 0e+00 4e-04 8e-04 Cell count contribution (LM beta coefficient)

LM Coefficients for: LPS_Nigericin_1.000_1.0_DMSO_0.025 ER gasdermin Mito 1.0 0.5 Feature group (if applicable) 0.0 AreaShape Treatment dose contribution (LM beta coefficient) Correlation Granularity -0.5 Intensity Location Neighbors RadialDistribution nuclei other PM Texture 1.0 R2 score 0.00 0.5 0.25 0.50 0.0 0.75 1.00 -0.5 -1.0-5.0e - 02.5e - 040e + 02.5e - 08.0e - 07.5e + 02.5e + 02.5eCell count contribution (LM beta coefficient)

LM Coefficients for: H2O2_100.000_Z-VAD-FMK_100.0 ER gasdermin Mito 1.0 0.5 Feature group (if applicable) AreaShape Treatment dose contribution (LM beta coefficient) Correlation Granularity Intensity Location -0.5 Neighbors RadialDistribution nuclei PM other **Texture** R2 score 0.00 0.5 0.25 0.50 0.75 0.0 1.00 -0.54e-04 0e+00 -4e-04 0e+00 4e-04 -4e-04 -4e-04 0e+00 4e-04 Cell count contribution (LM beta coefficient)

LM Coefficients for: Disulfiram_2.500_DMSO_0.025 ER gasdermin Mito 0.5 Feature group (if applicable) 0.0 AreaShape Treatment dose contribution (LM beta coefficient) Correlation Granularity -0.5 Intensity Location Neighbors RadialDistribution PM nuclei other Texture 0.5 R2 score 0.00 0.25 0.50 0.75 1.00 -0.5

-5.0e-02.5e-040e+02.5e-03.0e-02.5e-040e+02.5

LM Coefficients for: Thapsigargin_1.000_DMSO_0.025 ER gasdermin Mito 0.4 Feature group (if applicable) 0.0 AreaShape Treatment dose contribution (LM beta coefficient) Correlation Granularity Intensity Location Neighbors RadialDistribution nuclei other PM Texture R2 score 0.4 0.00 0.25 0.50 0.75 1.00 -0.4-5.0e - 02.5e - 03.0e - 07.5e - 07.5Cell count contribution (LM beta coefficient)

LM Coefficients for: Disulfiram_0.100_DMSO_0.025 ER gasdermin Mito 0.50 0.25 -Feature group (if applicable) 0.00 AreaShape Treatment dose contribution (LM beta coefficient) Correlation 0.25 Granularity Intensity -0.50 Location Neighbors RadialDistribution РМ nuclei other Texture 0.50 R2 score 0.25 -0.00 0.25 0.50 0.75 1.00 -0.25-0.50-4e-04-2e-040e+00 2e-04 4e-04 -4e-04-2e-040e+00 2e-04 4e-04 -4e-04-2e-040e+00 2e-04 4e-04 Cell count contribution (LM beta coefficient)

LM Coefficients for: Flagellin_0.100_DMSO_0.025 ER gasdermin Mito 0.4 Feature group (if applicable) 0.0 AreaShape Treatment dose contribution (LM beta coefficient) Correlation Granularity Intensity Location Neighbors RadialDistribution PM nuclei other Texture R2 score 0.4 0.00 0.25 0.50 0.0 0.75 1.00 -0.4 $-5.0e - 92.5e - 0340e + 02.5e - 05.0e - 04 \\ -5.0e - 92.5e - 0340e + 02.5e - 05.0e - 04 \\ -5.0e - 92.5e - 0340e + 02.5e - 0340e + 02.5e \\ -05.0e - 04 \\ -5.0e - 02.5e - 0340e + 02.5e - 0340e + 02.5e \\ -05.0e - 04 \\ -5.0e - 02.5e - 0340e + 02.5e - 0340e + 02.5e \\ -05.0e - 04 \\ -5.0e - 03.5e - 0340e + 02.5e - 0340e + 02.5e \\ -05.0e - 04 \\ -5.0e - 03.5e - 0340e + 02.5e - 0340e + 02.5e \\ -05.0e - 03.5e - 0340e + 02.5e - 0340e + 02.5e - 0340e + 02.5e \\ -05.0e - 03.5e - 0340e + 02.5e - 0340e + 02.5e - 0340e + 02.5e \\ -05.0e - 03.5e - 0340e + 02.5e - 0340e +$ Cell count contribution (LM beta coefficient)

LM Coefficients for: Flagellin_1.000_DMSO_0.025 ER gasdermin Mito 0.3 Feature group (if applicable) 0.0 AreaShape Treatment dose contribution (LM beta coefficient) Correlation Granularity -0.3 Intensity Location Neighbors RadialDistribution nuclei other PM Texture R2 score 0.3 0.00 0.25 0.50 0.75 1.00 -0.3-0.6-2.5e-040.0e+002.5e-045.0e-04 -2.5e-040.0e+002.5e-045.0e-04 -2.5e-040.0e+002.5e-045.0e-04 Cell count contribution (LM beta coefficient)

LM Coefficients for: media ctr_0_Media ctr_0.0 ER gasdermin Mito 0.2 0.0 Feature group (if applicable) AreaShape Treatment dose contribution (LM beta coefficient) -0.2 Correlation Granularity Intensity Location Neighbors RadialDistribution nuclei other PM Texture 0.2 R2 score 0.00 0.25 0.50 0.75 -0.21.00 -0.42e-04 -2e-04 0e+00 2e-04 -2e-04 0e+00 -2e-04 0e+00 2e-04 Cell count contribution (LM beta coefficient)

LM Coefficients for: DMSO_0.100_Z-VAD-FMK_100.0 ER gasdermin Mito 0.50 0.25 Feature group (if applicable) 0.00 AreaShape Treatment dose contribution (LM beta coefficient) Correlation Granularity -0.25 **-**Intensity Location Neighbors 0.50 RadialDistribution nuclei other РМ **Texture** 0.50 R2 score 0.00 0.25 0.25 0.50 0.00 0.75 1.00 -0.25 -0.50 **-**5e-04 0e+00 5e-04 0e+00 0e+00 5e-04 Cell count contribution (LM beta coefficient)

LM Coefficients for: LPS_10.000_Z-VAD-FMK_100.0 ER gasdermin Mito 0.25 Feature group (if applicable) 0.00 AreaShape Treatment dose contribution (LM beta coefficient) Correlation Granularity -0.25 **-**Intensity Location Neighbors -0.50 RadialDistribution РМ nuclei other Texture R2 score 0.25 0.00 0.25 0.50 0.75 1.00 -0.25-0.504e-04 -4e-04 0e+00 4e-04 -4e-04 0e+00 -4e-04 0e+00 4e-04 Cell count contribution (LM beta coefficient)

LM Coefficients for: DMSO_0.100_DMSO_1.0 ER gasdermin Mito 0.4 0.2 Feature group (if applicable) AreaShape Treatment dose contribution (LM beta coefficient) Correlation Granularity Intensity Location Neighbors RadialDistribution PM nuclei other Texture R2 score 0.00 0.2 0.25 0.50 0.75 0.0 1.00 -0.2-4e-04-2e-040e+00 2e-04 4e-04 6e-404-04-2e-040e+00 2e-04 4e-04 6e-404-04-2e-040e+00 2e-04 4e-04 6e-04 Cell count contribution (LM beta coefficient)

LM Coefficients for: LPS_10.000_DMSO_0.025 ER gasdermin Mito 0.4 0.2 Feature group (if applicable) 0.0 AreaShape Treatment dose contribution (LM beta coefficient) Correlation Granularity -0.2 Intensity Location Neighbors RadialDistribution nuclei PM other Texture R2 score 0.2 0.00 0.25 0.50 0.75 1.00 -0.2-0.4

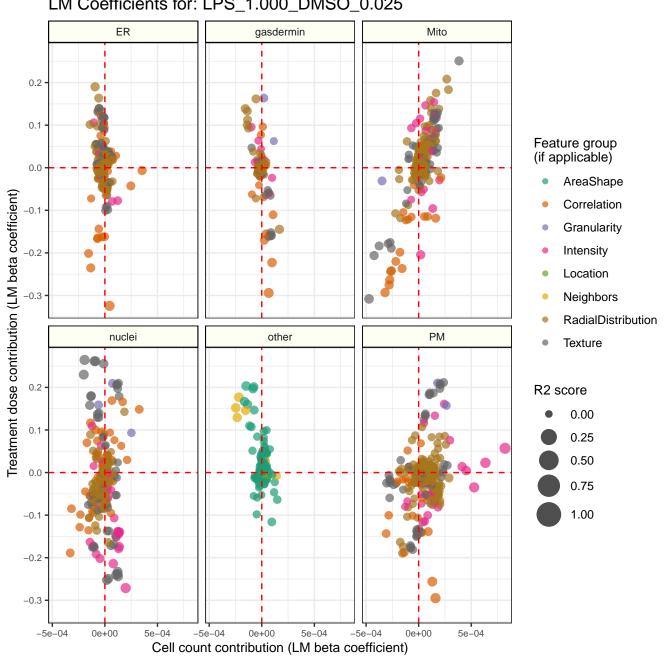
-5.0e-02.5e-040e+02.5e-05.0e-07.5e502e-02.5e-040e+02.5e-05.0e-07.5e502e-02.5e-040e+02.5e-05.0e-07.5e502e-02.5e-040e+02.5e-05.0e-07.5e-04

Cell count contribution (LM beta coefficient)

LM Coefficients for: Topotecan_5.000_DMSO_0.025 ER gasdermin Mito 0.4 0.2 Feature group (if applicable) 0.0 AreaShape Treatment dose contribution (LM beta coefficient) Correlation Granularity -0.2 Intensity Location Neighbors RadialDistribution nuclei other PM Texture R2 score 0.00 0.2 0.25 0.50 0.0 0.75 1.00 -0.2-0.4

-5.0e-02.5e-040e+02.5e-03.0e-07.5e-03.0e-02.5e-040e+02.5e-03.0e-07.5e-040e+02.5e-040e+02.5e-03.0e-07.5e-03.0e-02.5e-03.0e-07.5e-03.0e-02.0e-02.5e-03.0e-02.0e

LM Coefficients for: LPS_1.000_DMSO_0.025



LM Coefficients for: Topotecan_20.000_DMSO_0.025 ER gasdermin Mito 0.3 0.2 0.1 Feature group (if applicable) 0.0 AreaShape Treatment dose contribution (LM beta coefficient) Correlation -0.1 Granularity Intensity -0.2 Location Neighbors -0.3 RadialDistribution other PM nuclei Texture 0.3 R2 score 0.2 0.00 0.1 0.25 0.50 0.0 0.75 1.00 -0.1-0.2-0.3 -5.0e - 92.5e - 0340e + 02.5e - 0350e - 04 - 5.0e - 92.5e - 0340e + 02.5e - 0350e - 04 - 5.0e - 92.5e - 0340e + 02.5e - 0350e - 04 - 02.5e - 0350e -Cell count contribution (LM beta coefficient)

LM Coefficients for: H2O2_100.000_DMSO_0.025 ER gasdermin Mito 0.2 0.1 Feature group (if applicable) 0.0 AreaShape Correlation Granularity Intensity -0.2 Location Neighbors RadialDistribution nuclei PM other Texture 0.2 R2 score 0.00 0.1 0.25 0.50 0.75 1.00 -0.1 -0.2

4e-04 -4e-04 0e+00 4e-04 -4e-04 0e+00 Cell count contribution (LM beta coefficient)

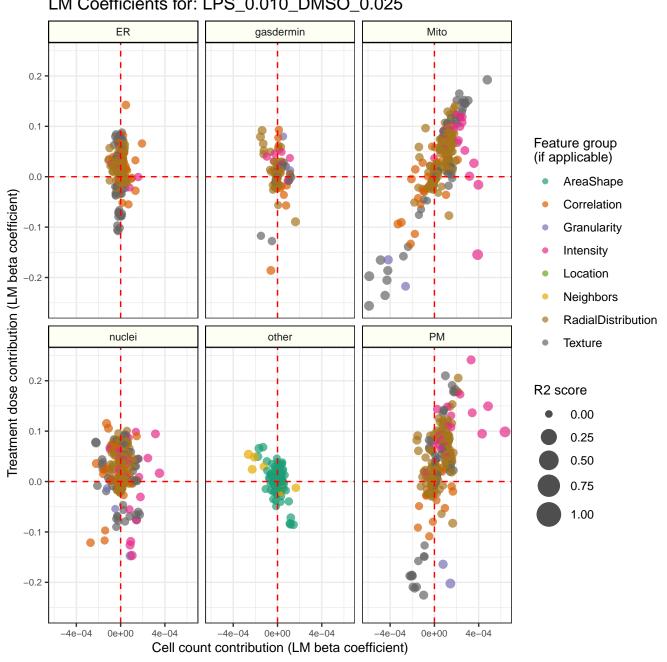
4e-04

Treatment dose contribution (LM beta coefficient)

-0.3

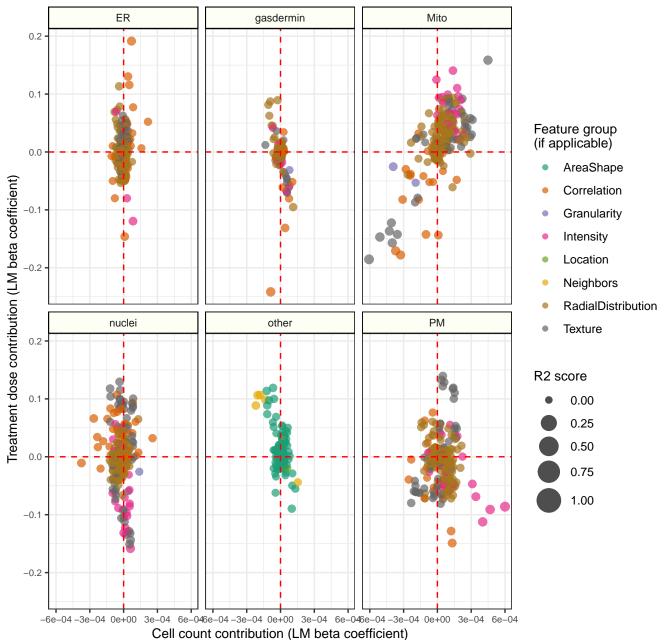
-4e-04 0e+00

LM Coefficients for: LPS_0.010_DMSO_0.025



LM Coefficients for: DMSO_0.100_Z-VAD-FMK_30.0 ER gasdermin Mito 0.2 0.1 Feature group (if applicable) 0.0 AreaShape Treatment dose contribution (LM beta coefficient) Correlation Granularity Intensity Location -0.2 Neighbors RadialDistribution nuclei other PM **Texture** 0.2 R2 score 0.00 0.1 0.25 0.50 0.75 1.00 -0.1 -0.20e+00 5e-04 -5e-04 -5e-04 0e+00 5e-04 -5e-04 0e+00 5e-04 Cell count contribution (LM beta coefficient)

LM Coefficients for: LPS_0.100_DMSO_0.025



LM Coefficients for: Topotecan_10.000_DMSO_0.025 ER gasdermin Mito 0.2 0.1 Feature group (if applicable) 0.0 AreaShape Treatment dose contribution (LM beta coefficient) Correlation Granularity -0.1 Intensity Location Neighbors -0.2 RadialDistribution nuclei other PM Texture 0.2 R2 score 0.00 0.1 0.25 0.50 0.0 0.75 1.00 -0.1-0.2 4e-04 -2e-04 0e+00 -2e-04 0e+00 2e-04 2e-04 4e-04 -2e-04 0e+00 2e-04 4e-04 Cell count contribution (LM beta coefficient)