deseq all clustered pops **→** input

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data/raw/paper_specific/DESeq2/cluster_wise/MPP.I_cts_all_hpc.csv

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output → data/processed/DESeq2/results/Normed counts/{fl core version}/Cyc DESeq normed.txt data/processed/DESeq2/results/Normed_counts/{fl_core_version}/DC.Mono_DESeq_normed.txt data/processed/DESeq2/results/Normed_counts/{fl_core_version}/GMP_DESeq_normed.txt data/processed/DESeq2/results/Normed_counts/{fl_core_version}/HSC_DESeq_normed.txt data/processed/DESeq2/results/Normed_counts/{fl_core_version}/Ly.II_DESeq_normed.txt data/processed/DESeq2/results/Normed_counts/{fl_core_version}/Ly.I_DESeq_normed.txt data/processed/DESeq2/results/Normed_counts/{fl_core_version}/MEP_DESeq_normed.txt data/processed/DESeq2/results/Normed counts/{fl core version}/MPP.II DESeq normed.txt data/processed/DESeq2/results/Normed counts/{fl core version}/MPP.I DESeq normed.txt data/processed/DESeq2/results/Normed_counts/{fl_core_version}/only_FL_DESeq_normed.txt data/processed/DESeq2/results/{fl_core_version}/Cyc_FL_yBM.csv data/processed/DESeq2/results/{fl_core_version}/Cyc_FL_yBM.rnk data/processed/DESeq2/results/{fl_core_version}/DC.Mono_FL_yBM.csv data/processed/DESeq2/results/{fl_core_version}/DC.Mono_FL_yBM.rnk data/processed/DESeq2/results/{fl_core_version}/FL_MPPI_HSC.rnk data/processed/DESeq2/results/{fl_core_version}/FL_MPPI_MPPII.rnk data/processed/DESeq2/results/{fl_core_version}/GMP_FL_yBM.csv data/processed/DESeq2/results/{fl_core_version}/GMP_FL_yBM.rnk data/processed/DESeq2/results/{fl_core_version}/HSC_FL_yBM.csv data/processed/DESeq2/results/{fl_core_version}/HSC_FL_yBM.rnk data/processed/DESeq2/results/{fl_core_version}/Ly.II_FL_yBM.csv data/processed/DESeq2/results/{fl_core_version}/Ly.II_FL_yBM.rnk data/processed/DESeq2/results/{fl_core_version}/Ly.I_FL_yBM.csv data/processed/DESeq2/results/{fl_core_version}/Ly.I_FL_yBM.rnk data/processed/DESeq2/results/{fl_core_version}/MEP_FL_yBM.csv

single_cell_deg

→ input data/processed/notebooks/mapping_predictions/RNA_FL_target_preds.json data/processed/seurat/CS22/FL_combined_metadata.csv data/raw/cite_cell_matrices

data/raw/paper_specific/from_seurat/FL_BM_combined_metadata.csv

data/interim/single_cell_deg/FL_cells.csv data/interim/single_cell_deg/yBM_cells.csv data/processed/DESeq2/results/FLcoreSC/Cyc_BM_specific_markers.csv data/processed/DESeq2/results/FLcoreSC/Cyc_FL_specific_markers.csv data/processed/DESeq2/results/FLcoreSC/DC.Mono_BM_specific_markers.csv data/processed/DESeq2/results/FLcoreSC/DC.Mono_FL_specific_markers.csv data/processed/DESeq2/results/FLcoreSC/GMP_BM_specific_markers.csv data/processed/DESeq2/results/FLcoreSC/GMP_FL_specific_markers.csv data/processed/DESeq2/results/FLcoreSC/HSC_BM_specific_markers.csv data/processed/DESeq2/results/FLcoreSC/HSC_FL_specific_markers.csv data/processed/DESeq2/results/FLcoreSC/Ly.II_BM_specific_markers.csv data/processed/DESeq2/results/FLcoreSC/Ly.II_FL_specific_markers.csv data/processed/DESeq2/results/FLcoreSC/Ly.I_BM_specific_markers.csv data/processed/DESeq2/results/FLcoreSC/Ly.I_FL_specific_markers.csv data/processed/DESeq2/results/FLcoreSC/MEP_BM_specific_markers.csv data/processed/DESeq2/results/FLcoreSC/MEP_FL_specific_markers.csv data/processed/DESeq2/results/FLcoreSC/MPP.II_BM_specific_markers.csv data/processed/DESeq2/results/FLcoreSC/MPP.II_FL_specific_markers.csv data/processed/DESeq2/results/FLcoreSC/MPP.I_BM_specific_markers.csv

data/processed/DESeq2/results/FLcoreSC/MPP.I_FL_specific_markers.csv

deseq_all_gated_pops

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data/raw/paper_specific/DESeq2/gate_wise/MEP_135_cts_all_hpc.csv

data/processed/DESeq2/results/{fl_core_version}/gated_MEP_135_FL_yBM.csv

→ input

data/processed/DESeq2/results/Normed_counts/{fl_core_version}/gated_CD10_CLP_DESeq_normed.txt data/processed/DESeq2/results/Normed_counts/{fl_core_version}/gated_CD38neg_MPP_DESeq_normed.txt data/processed/DESeg2/results/Normed counts/{fl core version}/gated CD49Fpos HSC DESeg normed.txt data/processed/DESeq2/results/Normed_counts/{fl_core_version}/gated_CD7_CLP_DESeq_normed.txt data/processed/DESeq2/results/Normed_counts/{fl_core_version}/gated_CD90pos_HSC_DESeq_normed.txt data/processed/DESeq2/results/Normed_counts/{fl_core_version}/gated_CMP_123_DESeq_normed.txt data/processed/DESeg2/results/Normed counts/{fl core version}/gated CMP 135 DESeg normed.txt data/processed/DESeq2/results/Normed_counts/{fl_core_version}/gated_GMP_123_DESeq_normed.txt data/processed/DESeq2/results/Normed_counts/{fl_core_version}/gated_GMP_135_DESeq_normed.txt data/processed/DESeq2/results/Normed_counts/{fl_core_version}/gated_IL7RA_CLP_DESeq_normed.txt data/processed/DESeq2/results/Normed_counts/{fl_core_version}/gated_LMPP_DESeq_normed.txt data/processed/DESeq2/results/Normed_counts/{fl_core_version}/gated_MEP_123_DESeq_normed.txt data/processed/DESeq2/results/Normed_counts/{fl_core_version}/gated_MEP_135_DESeq_normed.txt data/processed/DESeq2/results/{fl_core_version}/gated_CD10_CLP_FL_yBM.csv data/processed/DESeq2/results/{fl_core_version}/gated_CD38neg_MPP_FL_yBM.csv data/processed/DESeq2/results/{fl_core_version}/gated_CD49Fpos_HSC_FL_yBM.csv data/processed/DESeq2/results/{fl_core_version}/gated_CD7_CLP_FL_yBM.csv data/processed/DESeq2/results/{fl_core_version}/gated_CD90pos_HSC_FL_yBM.csv data/processed/DESeq2/results/{fl_core_version}/gated_CMP_123_FL_yBM.csv data/processed/DESeq2/results/{fl_core_version}/gated_CMP_135_FL_yBM.csv data/processed/DESeq2/results/{fl_core_version}/gated_GMP_123_FL_yBM.csv data/processed/DESeq2/results/{fl_core_version}/gated_GMP_135_FL_yBM.csv data/processed/DESeq2/results/{fl_core_version}/gated_IL7RA_CLP_FL_yBM.csv data/processed/DESeq2/results/{fl_core_version}/gated_LMPP_FL_yBM.csv data/processed/DESeq2/results/{fl_core_version}/gated_MEP_123_FL_yBM.csv

produce_sc_fl_core

→ input data/processed/DESeq2/results/FLcoreSC/Cyc_BM_specific_markers.csv data/processed/DESeq2/results/FLcoreSC/Cyc_FL_specific_markers.csv data/processed/DESeq2/results/FLcoreSC/DC.Mono_BM_specific_markers.csv data/processed/DESeq2/results/FLcoreSC/DC.Mono_FL_specific_markers.csv data/processed/DESeq2/results/FLcoreSC/GMP_BM_specific_markers.csv data/processed/DESeq2/results/FLcoreSC/GMP FL specific markers.csv data/processed/DESeg2/results/FLcoreSC/HSC BM specific markers.csv data/processed/DESeq2/results/FLcoreSC/HSC_FL_specific_markers.csv data/processed/DESeq2/results/FLcoreSC/Ly.II_BM_specific_markers.csv data/processed/DESeq2/results/FLcoreSC/Ly.II_FL_specific_markers.csv data/processed/DESeq2/results/FLcoreSC/Ly.I_BM_specific_markers.csv data/processed/DESeq2/results/FLcoreSC/Ly.I_FL_specific_markers.csv data/processed/DESeq2/results/FLcoreSC/MEP_BM_specific_markers.csv data/processed/DESeq2/results/FLcoreSC/MEP_FL_specific_markers.csv data/processed/DESeq2/results/FLcoreSC/MPP.II_BM_specific_markers.csv data/processed/DESeq2/results/FLcoreSC/MPP.II_FL_specific_markers.csv data/processed/DESeq2/results/FLcoreSC/MPP.I_BM_specific_markers.csv data/processed/DESeq2/results/FLcoreSC/MPP.I_FL_specific_markers.csv

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data/processed/DESeq2/results/sub_setter/FLcoreSC/MPP.I_pos.csv

output →

data/processed/DESeq2/images/Main_Figure_5a.pdf

→ input data/external/iPS_ETVRUNX/dev_cell_samples.txt data/external/iPS_ETVRUNX/fpkm.tsv data/processed/DESeq2/results/FLcorePseudotech/DE_genes.cs output →

plot_main_fig5

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plot_pca

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data/raw/paper_specific/DESeq2/cluster_wise/Ly.I_coldata_all_hpc.csv

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data/raw/paper_specific/DESeq2/cluster_wise/GMP_cts_all_hpc.csv

data/raw/paper_specific/DESeq2/cluster_wise/HSC_cts_all_hpc.csv

→ input

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data/processed/DESeq2/images/PC12_singel_cell_clusters_gates_top500.pdf data/processed/DESeq2/images/PC12_singel_cell_clusters_top500.pdf data/processed/DESeq2/images/PC12_singel_cell_gates_top500.pdf data/processed/DESeq2/images/PC23_singel_cell_clusters_gates_top500.pdf data/processed/DESeq2/images/PC23_singel_cell_clusters_top500.pdf

data/processed/DESeq2/images/PC23_singel_cell_gates_top500.pdf

→ input

data/processed/DESeq2/results/sub_setter/{fl_core_version}/Cyc_neg.csv data/processed/DESeq2/results/sub_setter/{fl_core_version}/Cyc_pos.csv data/processed/DESeq2/results/sub_setter/{fl_core_version}/DC.Mono_neg.csv data/processed/DESeq2/results/sub_setter/{fl_core_version}/DC.Mono_pos.csv data/processed/DESeq2/results/sub_setter/{fl_core_version}/GMP_neg.csv data/processed/DESeq2/results/sub_setter/{fl_core_version}/GMP_pos.csv data/processed/DESeq2/results/sub_setter/{fl_core_version}/HSC_neg.csv data/processed/DESeq2/results/sub_setter/{fl_core_version}/HSC_pos.csv data/processed/DESeq2/results/sub_setter/{fl_core_version}/Ly.II_neg.csv data/processed/DESeq2/results/sub_setter/{fl_core_version}/Ly.II_pos.csv data/processed/DESeq2/results/sub_setter/{fl_core_version}/Ly.I_neg.csv data/processed/DESeq2/results/sub_setter/{fl_core_version}/Ly.I_pos.csv data/processed/DESeq2/results/sub_setter/{fl_core_version}/MEP_neg.csv data/processed/DESeq2/results/sub_setter/{fl_core_version}/MEP_pos.csv data/processed/DESeq2/results/sub_setter/{fl_core_version}/MPP.II_neg.csv data/processed/DESeq2/results/sub_setter/{fl_core_version}/MPP.II_pos.csv data/processed/DESeq2/results/sub_setter/{fl_core_version}/MPP.I_neg.csv data/processed/DESeq2/results/sub_setter/{fl_core_version}/MPP.I_pos.csv data/processed/DESeq2/results/{fl_core_version}/Adult_signature_p005.txt data/processed/DESeq2/results/{fl_core_version}/DE_genes.csv data/processed/DESeq2/results/{fl_core_version}/Fetal_signature_p005.txt

deseq_produce_fl_core

data/processed/DESeq2/results/{fl_core_version}/Cyc_FL_yBM.csv

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data/processed/DESeq2/results/{fl_core_version}/HSC_FL_yBM.csv

data/processed/DESeq2/results/{fl_core_version}/Ly.II_FL_yBM.csv

data/processed/DESeq2/results/{fl_core_version}/Ly.I_FL_yBM.csv

data/processed/DESeq2/results/{fl_core_version}/MEP_FL_yBM.csv data/processed/DESeq2/results/{fl_core_version}/MPP.II_FL_yBM.csv data/processed/DESeq2/results/{fl_core_version}/MPP.I_FL_yBM.csv

data/processed/DESeq2/results/{fl_core_version}/DC.Mono_FL_yBM.csv

plot_fl_bm_gates_pca → input data/raw/paper specific/DESeq2/gate wise/CD10 CLP coldata all hpc.csv data/raw/paper_specific/DESeq2/gate_wise/CD10_CLP_cts_all_hpc.csv data/raw/paper_specific/DESeq2/gate_wise/CD38neg_MPP_coldata_all_hpc.csv data/raw/paper_specific/DESeq2/gate_wise/CD38neg_MPP_cts_all_hpc.csv data/raw/paper_specific/DESeq2/gate_wise/CD49Fpos_HSC_coldata_all_hpc.csv data/raw/paper_specific/DESeq2/gate_wise/CD49Fpos_HSC_cts_all_hpc.csv data/raw/paper_specific/DESeq2/gate_wise/CD7_CLP_coldata_all_hpc.csv data/raw/paper_specific/DESeq2/gate_wise/CD7_CLP_cts_all_hpc.csv data/raw/paper_specific/DESeq2/gate_wise/CD90pos_HSC_coldata_all_hpc.csv data/raw/paper_specific/DESeq2/gate_wise/CD90pos_HSC_cts_all_hpc.csv data/raw/paper_specific/DESeq2/gate_wise/CMP_123_coldata_all_hpc.csv data/raw/paper_specific/DESeq2/gate_wise/CMP_123_cts_all_hpc.csv data/raw/paper_specific/DESeq2/gate_wise/CMP_135_coldata_all_hpc.csv data/raw/paper_specific/DESeq2/gate_wise/CMP_135_cts_all_hpc.csv data/raw/paper_specific/DESeq2/gate_wise/GMP_123_coldata_all_hpc.csv data/raw/paper_specific/DESeq2/gate_wise/GMP_123_cts_all_hpc.csv data/raw/paper_specific/DESeq2/gate_wise/GMP_135_coldata_all_hpc.csv data/raw/paper_specific/DESeq2/gate_wise/GMP_135_cts_all_hpc.csv data/raw/paper_specific/DESeq2/gate_wise/IL7RA_CLP_coldata_all_hpc.csv data/raw/paper_specific/DESeq2/gate_wise/IL7RA_CLP_cts_all_hpc.csv data/raw/paper_specific/DESeq2/gate_wise/LMPP_coldata_all_hpc.csv data/raw/paper_specific/DESeq2/gate_wise/LMPP_cts_all_hpc.csv data/raw/paper_specific/DESeq2/gate_wise/MEP_123_coldata_all_hpc.csv data/raw/paper_specific/DESeq2/gate_wise/MEP_123_cts_all_hpc.csv data/raw/paper_specific/DESeq2/gate_wise/MEP_135_coldata_all_hpc.csv data/raw/paper_specific/DESeq2/gate_wise/MEP_135_cts_all_hpc.csv

output → data/processed/DESeq2/images/PC12_FL_BM_singel_cell_gates_top500.pdf data/processed/DESeq2/images/PC23_FL_BM_singel_cell_gates_top500.pdf

fetal_signature_in_leukemia_pca_fl_core

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export_ball_excel_to_tsv

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output →

output →

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fetal signature in leukemia

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