TP53 only mutant vs wild type LUAD KEAP1 only mutant vs wild type LUAD RT Dna Double Strand Break Repair RT Chromosome HM G2m Checkpoint KG Cell Cycle HM E2f Targets Maintenance KG Parkinsons HM E2f Targets KG Spliceosome KG Oxidative Phos **HM Oxidative Phos** Disease 40000 40000 30000 30000 20000 20000 10000 10000 RT Fanconi Anemia RT Chromatin HM MTORC1 Signal RT Chromosome RT Dna Double Strand **HM Mitotic Spindle** KG Dna Replication HM G2m Checkpoint **HM** Xenobiotic Metab Modifying Enzymes HM MTORC1 Signal Pathway Break Repair Maintenance 40000 40000 30000 30000 20000 20000 HM Interferon Gamma KG Jak Stat Signal KG Intestinal Immune KG Cell Adhesion KG Focal Adhesion KG Cytokine Signal RT Neutrophil KG Hematopoietic Gse5099 M1 Vs M2 Up HM P53 Pathway Network For Iga **Pathway** Molecules Cams Response Degranulation Cell Lineage Production ` 20000 20000 10000 10000 KG Ecm Receptor **HM** Inflammatory RT Immunoregulatory KG Hematopoietic HM Emt Cell Lineage Interaction Response Interaction KG Arachidonic Acid KG Ribosome KG Lysosome KG Fatty Acid Metab 40000 KG Asthma Metab 30000 40000 20000 30000 10000 20000 10000 1000 3000 4000 0 2000 HOOO O On 6000 0

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Random gene rank

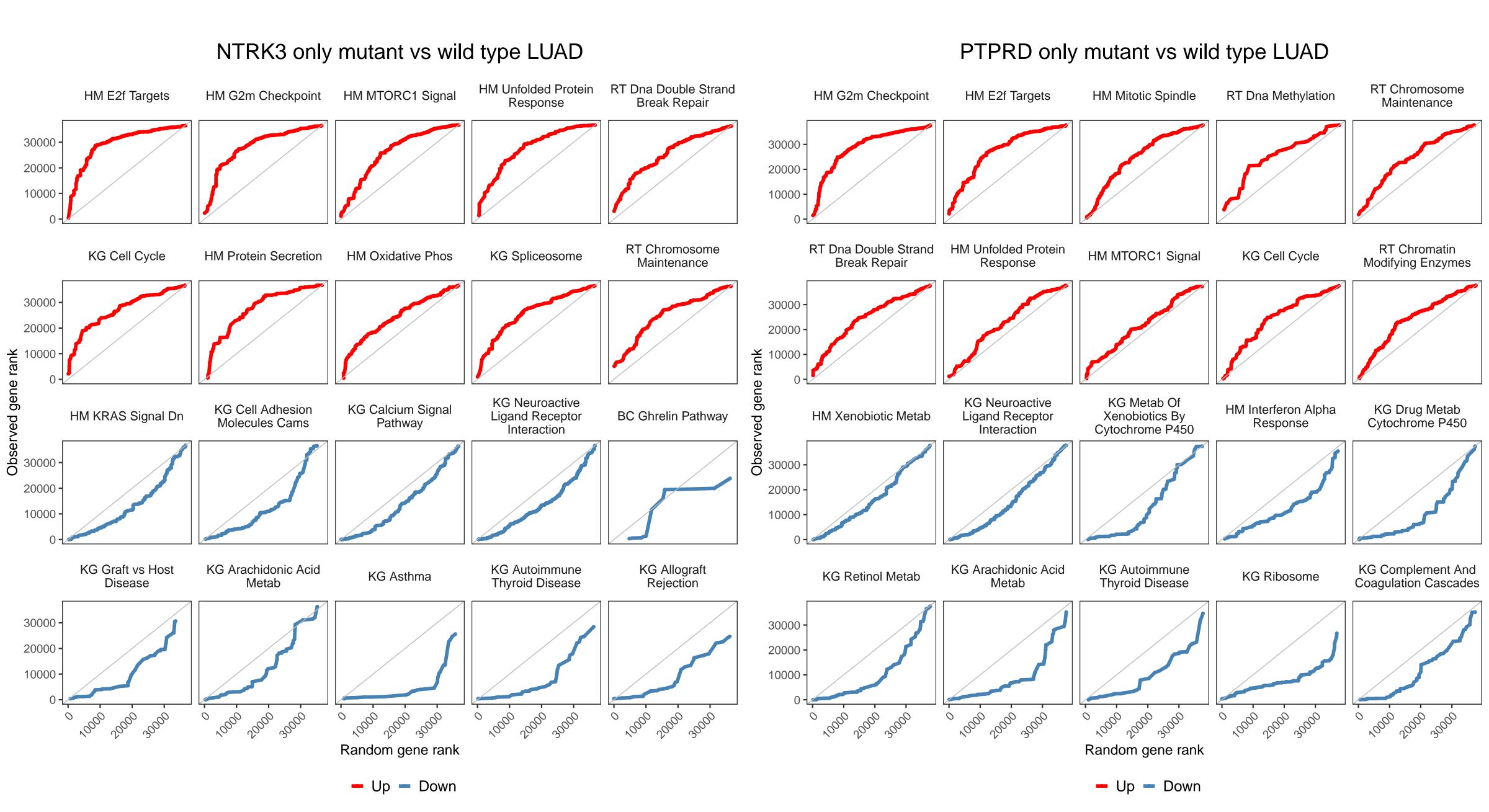
Up — Down

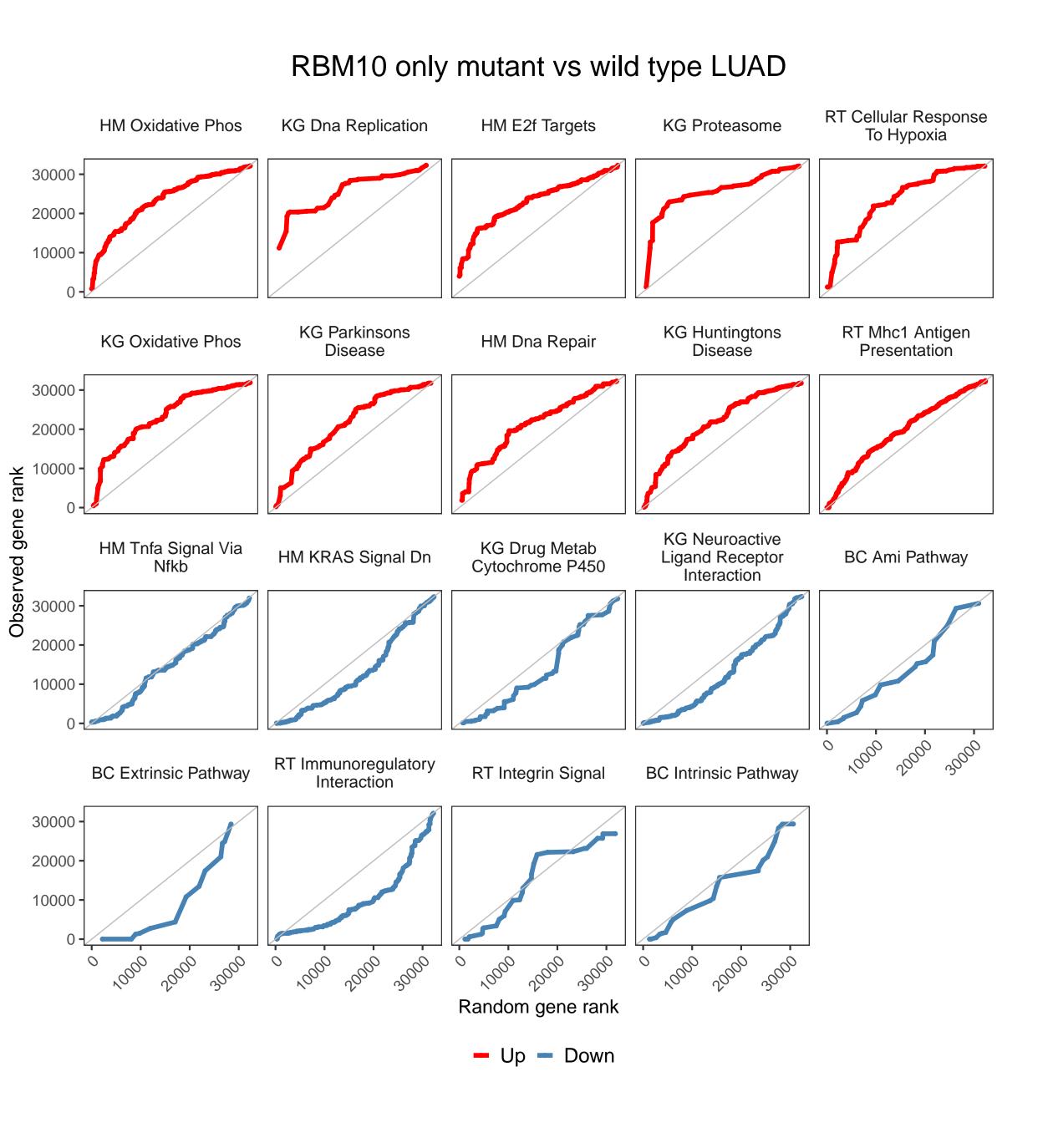
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Random gene rank

Up — Down