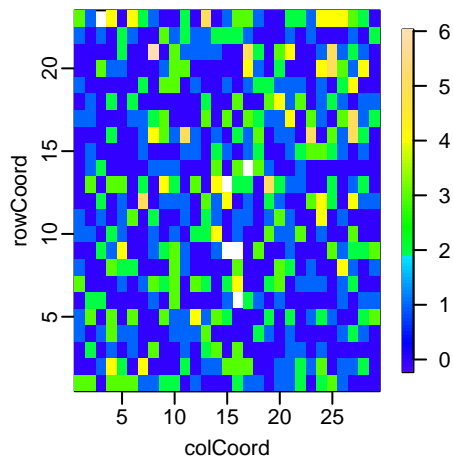
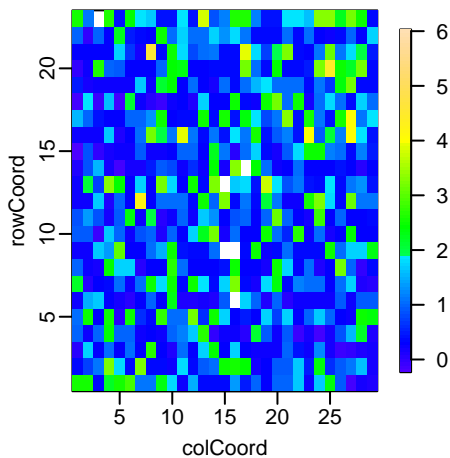


Trait: branch_number – Trial: 202393DVGST_stom

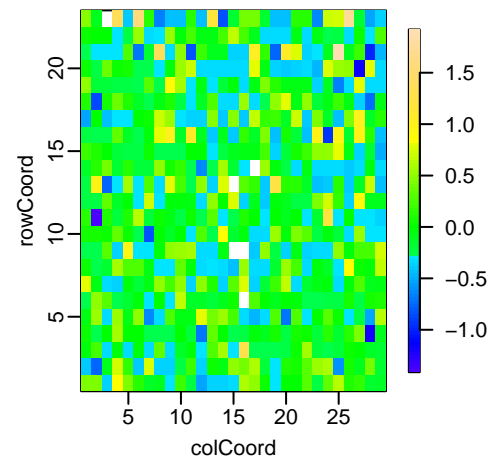
Raw data



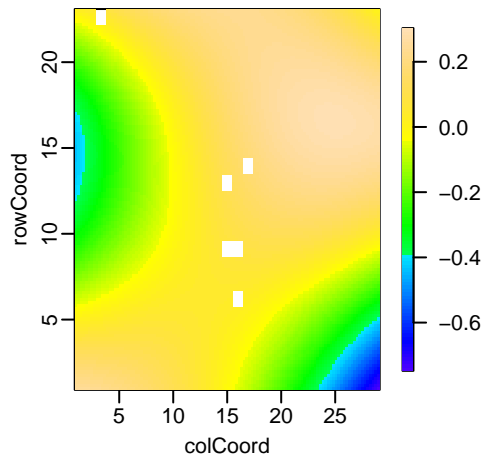
Fitted data



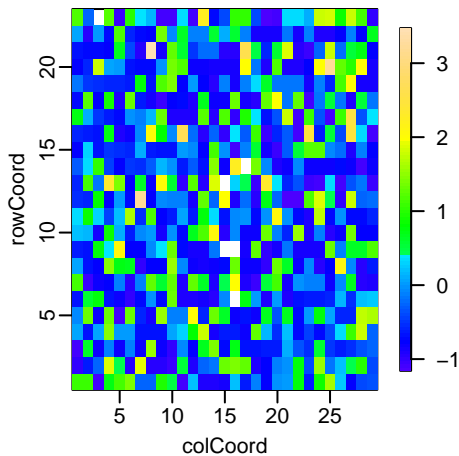
Residuals



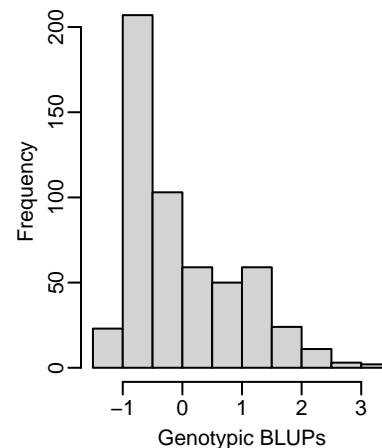
Fitted Spatial Trend



Genotypic BLUPs

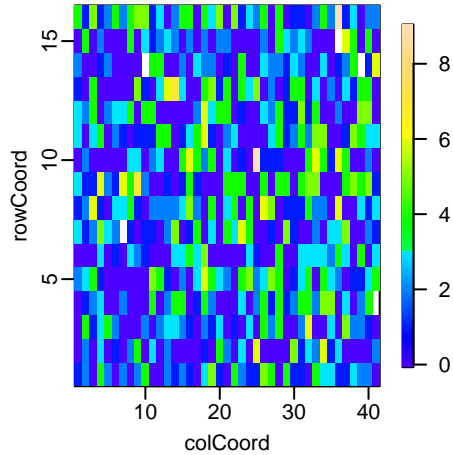


Histogram

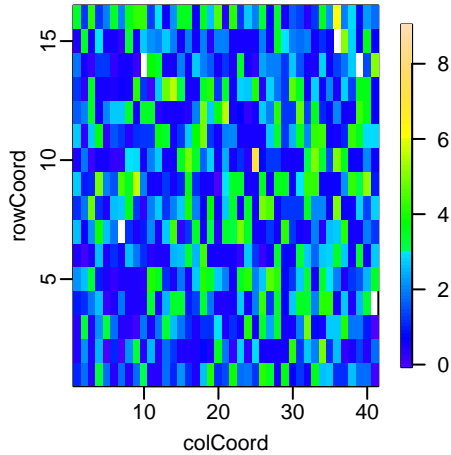


Trait: branch_number – Trial: 202394DVGST_momi

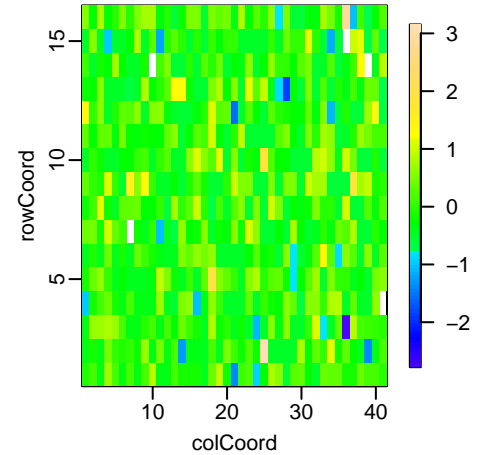
Raw data



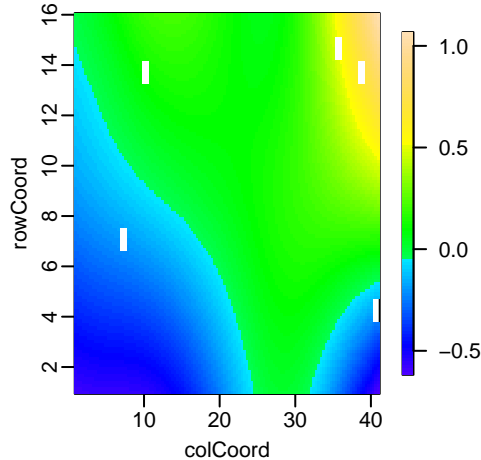
Fitted data



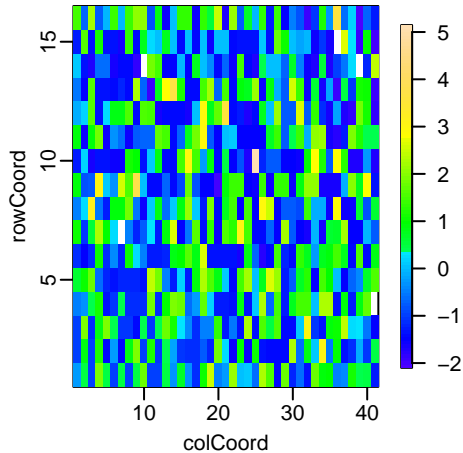
Residuals



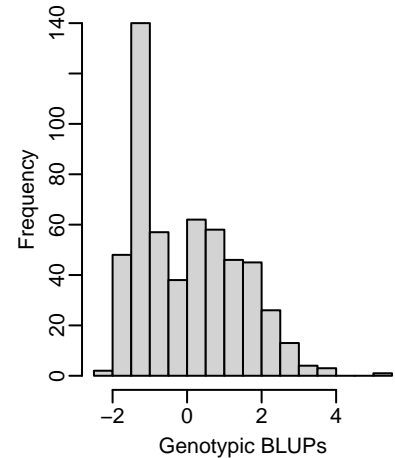
Fitted Spatial Trend



Genotypic BLUPs

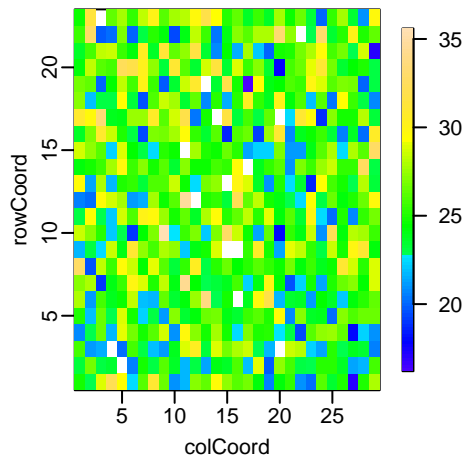


Histogram

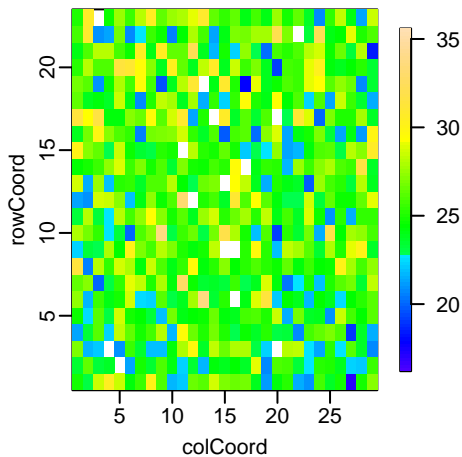


Trait: DM_gravity – Trial: 202393DVGST_stom

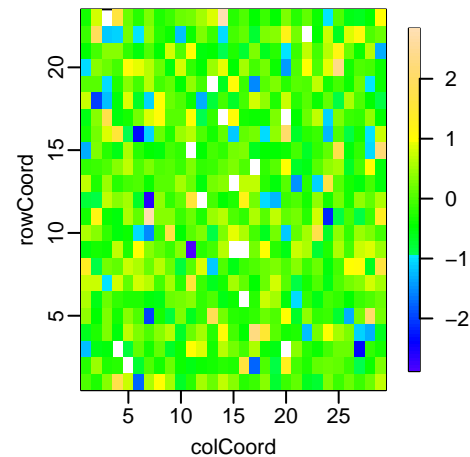
Raw data



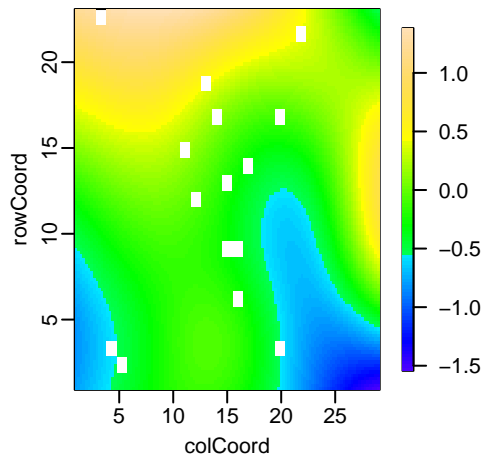
Fitted data



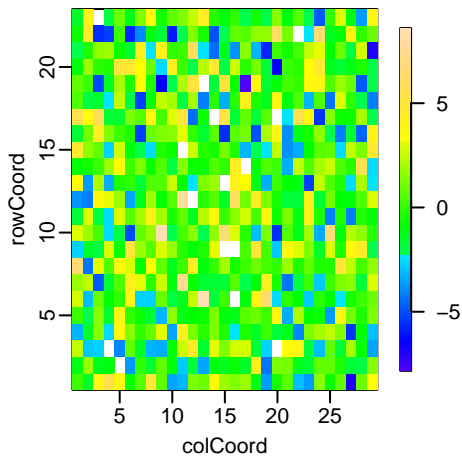
Residuals



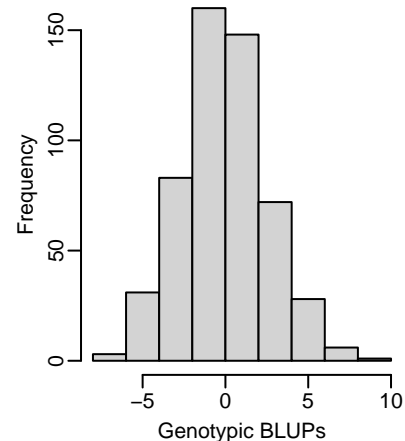
Fitted Spatial Trend



Genotypic BLUPs

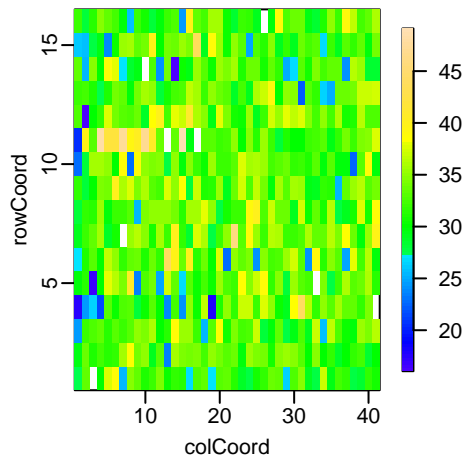


Histogram

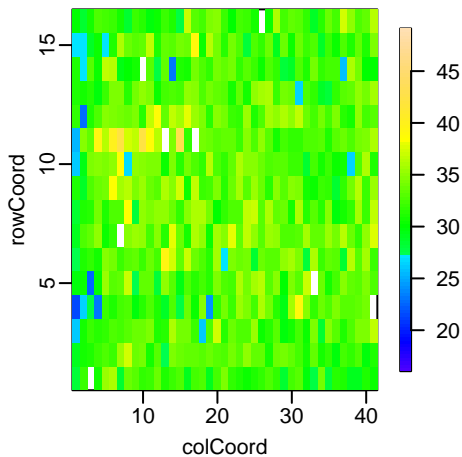


Trait: DM_gravity – Trial: 202394DVGST_momi

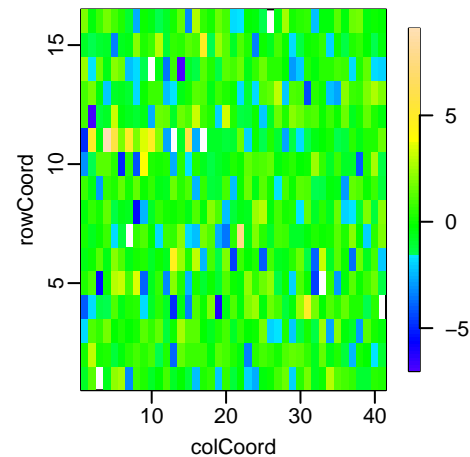
Raw data



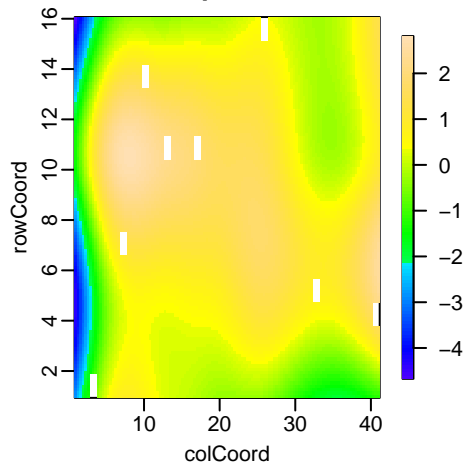
Fitted data



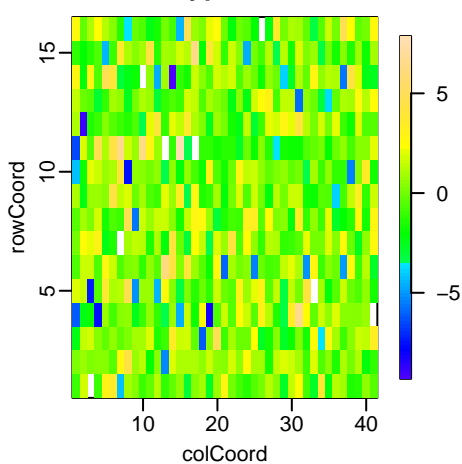
Residuals



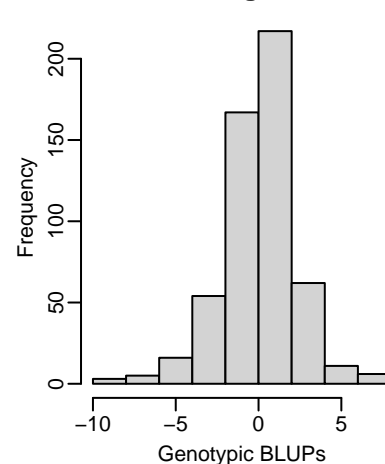
Fitted Spatial Trend



Genotypic BLUPs

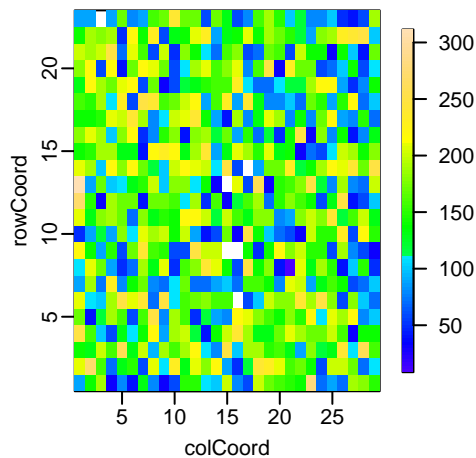


Histogram

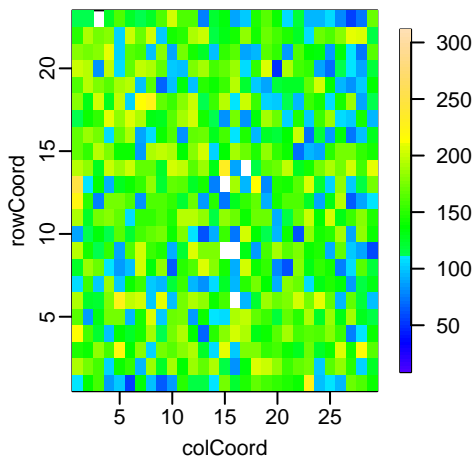


Trait: height_1st_branch – Trial: 202393DVGST_stom

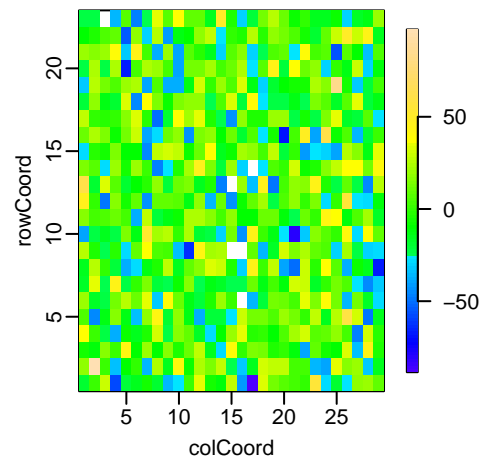
Raw data



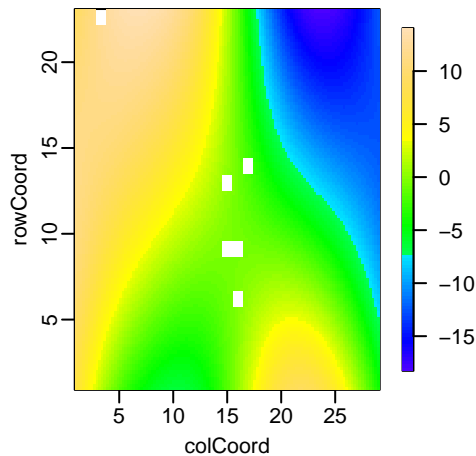
Fitted data



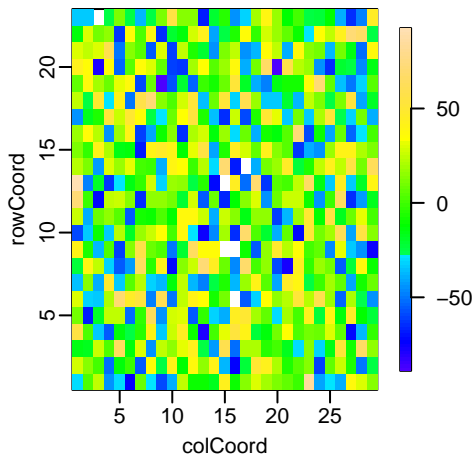
Residuals



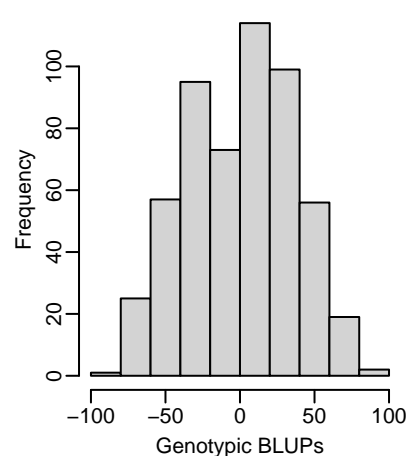
Fitted Spatial Trend



Genotypic BLUPs

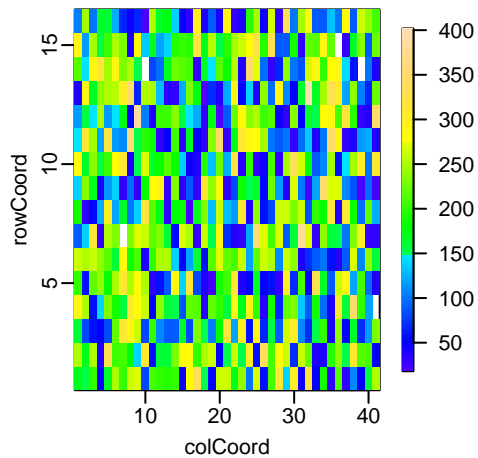


Histogram

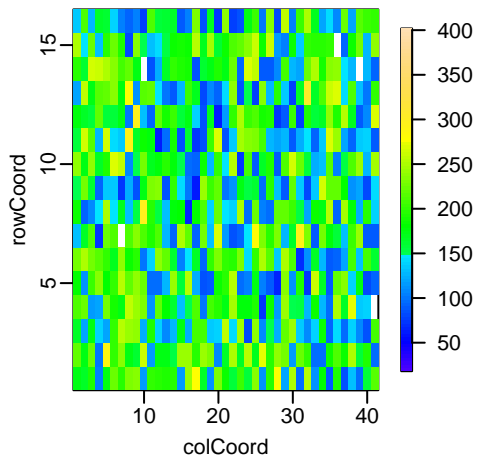


Trait: height_1st_branch – Trial: 202394DVGST_momi

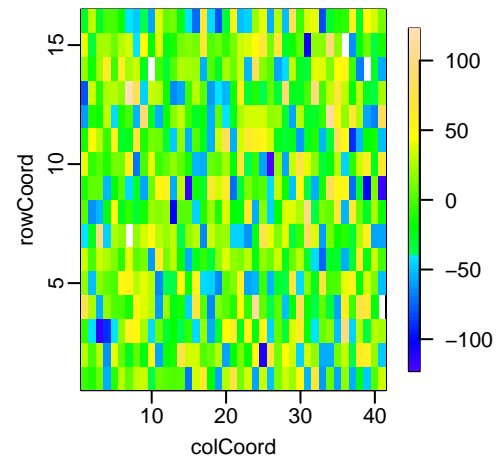
Raw data



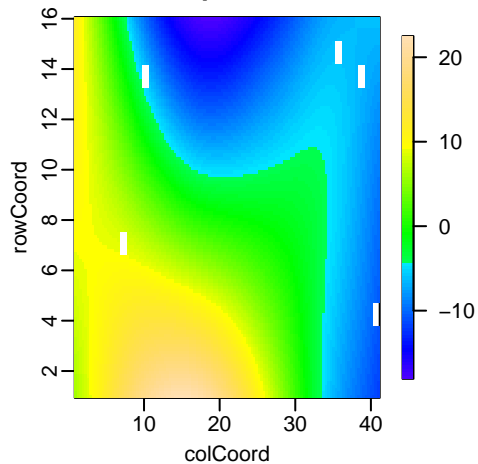
Fitted data



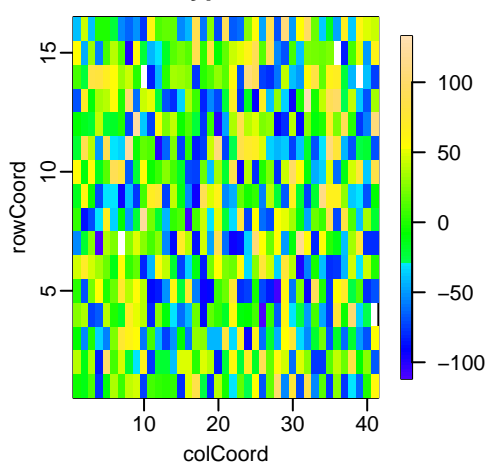
Residuals



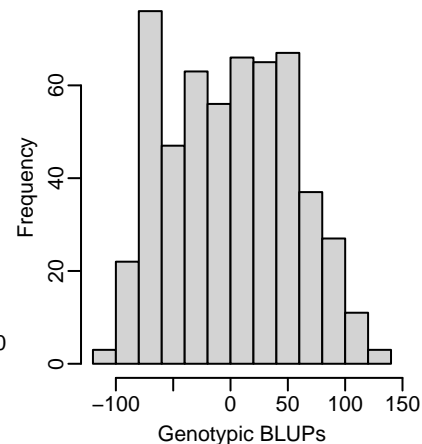
Fitted Spatial Trend



Genotypic BLUPs

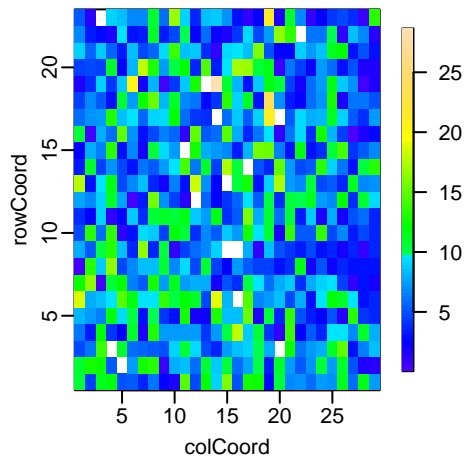


Histogram

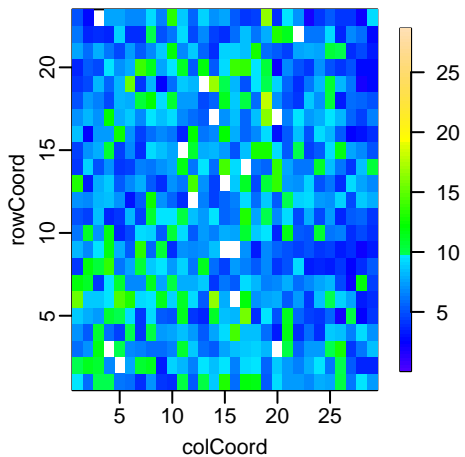


Trait: yield_ha – Trial: 202393DVGST_stom

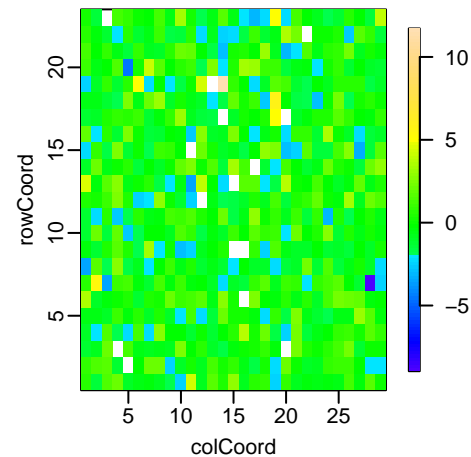
Raw data



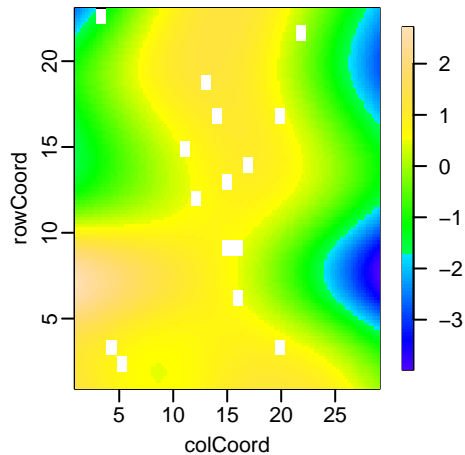
Fitted data



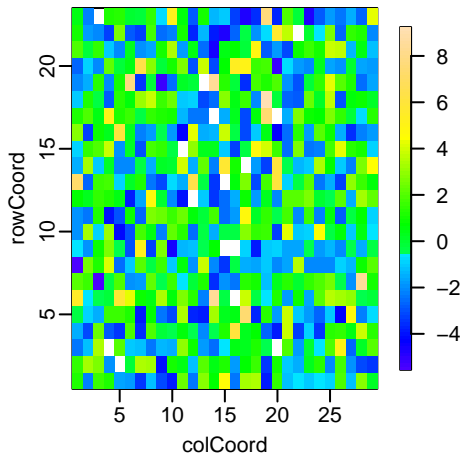
Residuals



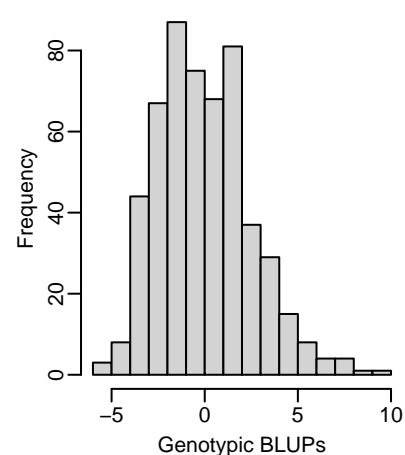
Fitted Spatial Trend



Genotypic BLUPs

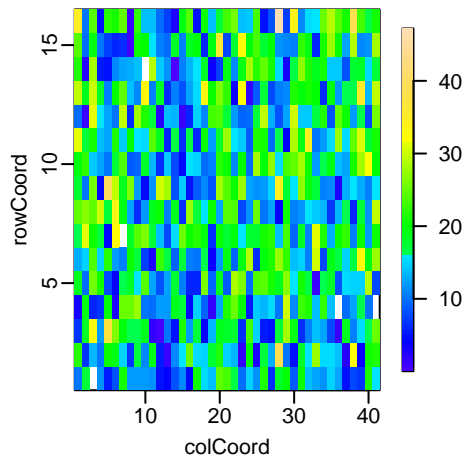


Histogram

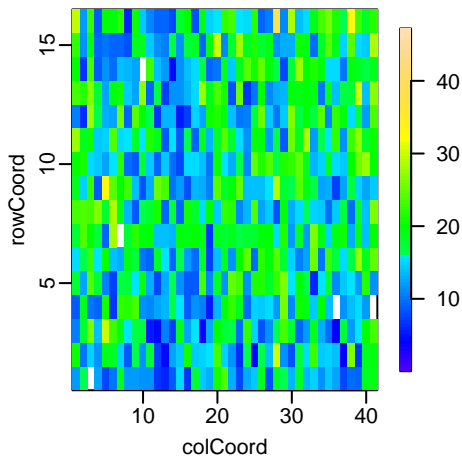


Trait: yield_ha – Trial: 202394DVGST_momi

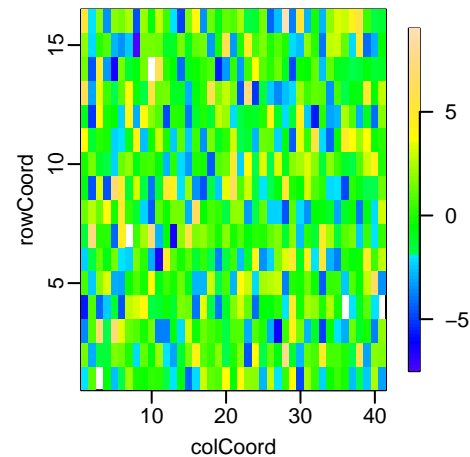
Raw data



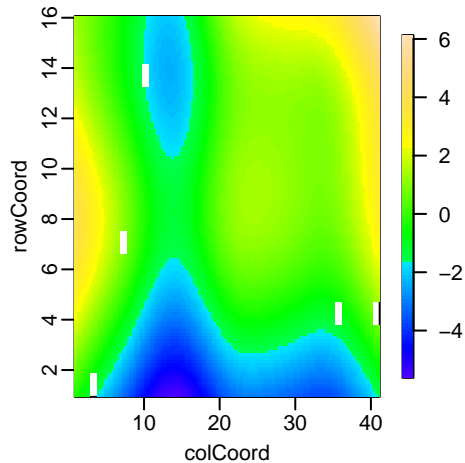
Fitted data



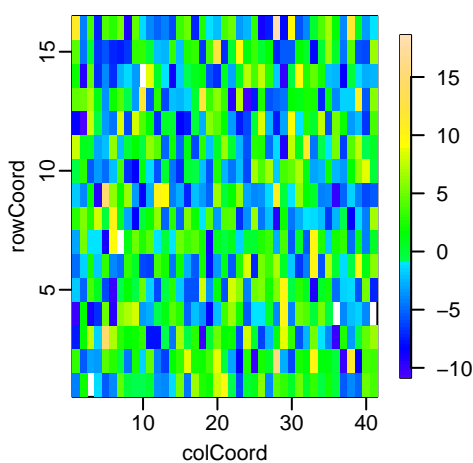
Residuals



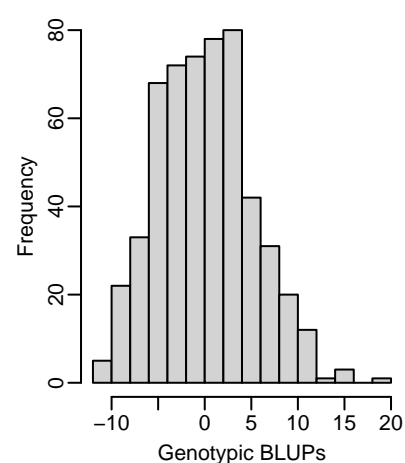
Fitted Spatial Trend



Genotypic BLUPs

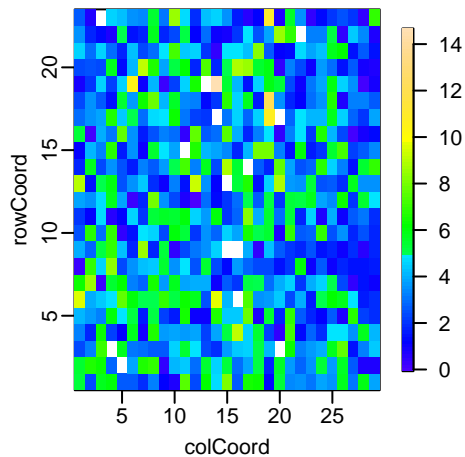


Histogram

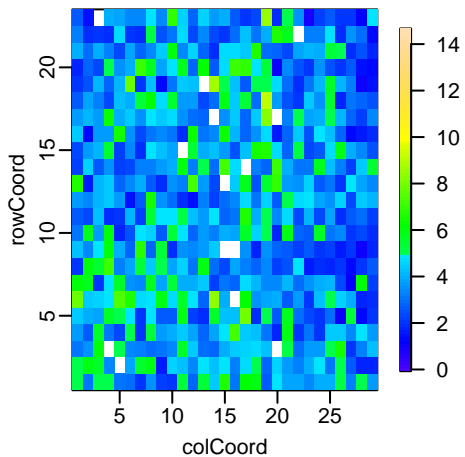


Trait: root_weight_plot – Trial: 202393DVGST_stom

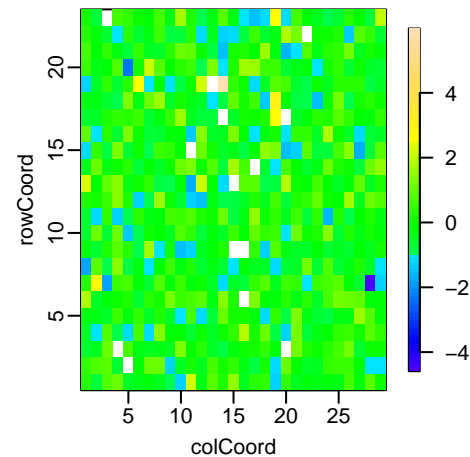
Raw data



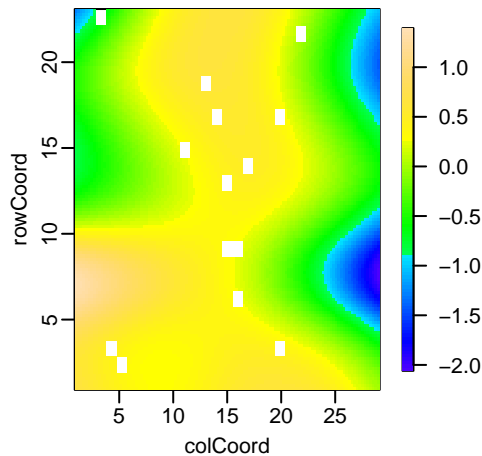
Fitted data



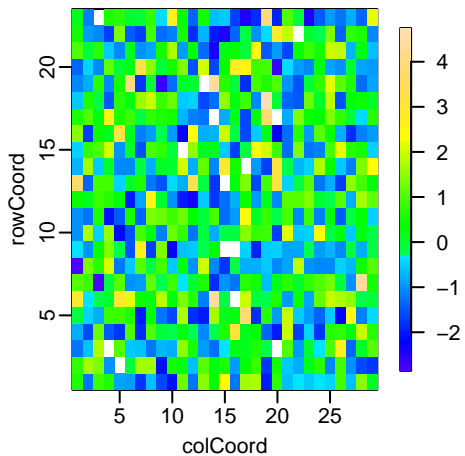
Residuals



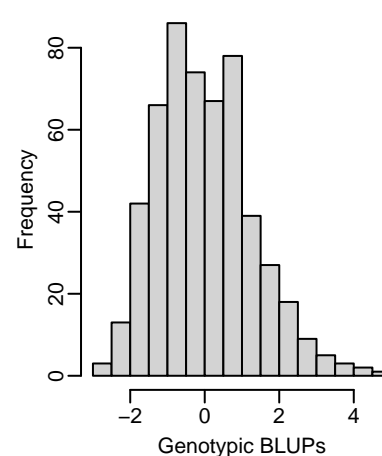
Fitted Spatial Trend



Genotypic BLUPs

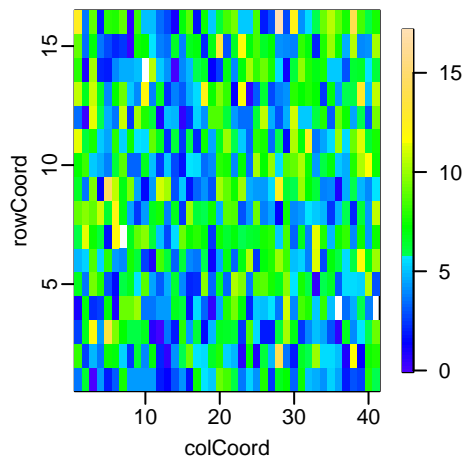


Histogram

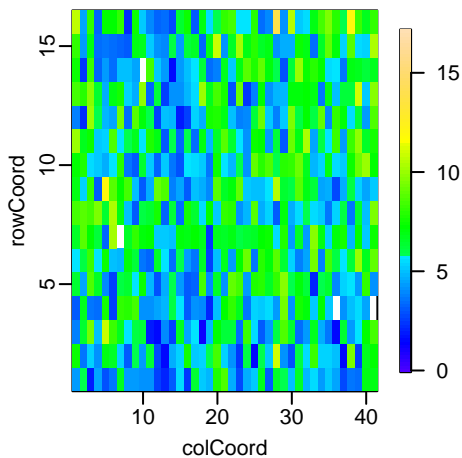


Trait: root_weight_plot – Trial: 202394DVGST_momi

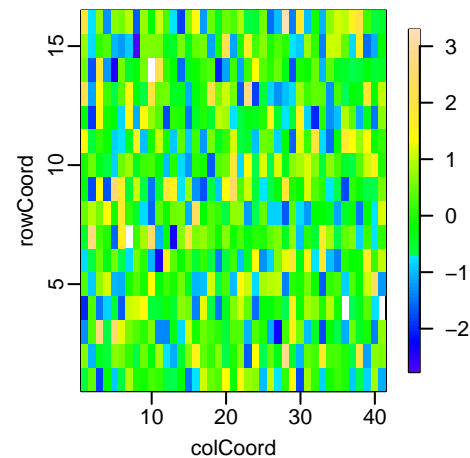
Raw data



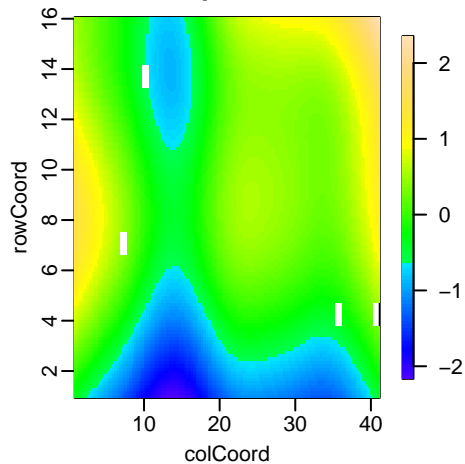
Fitted data



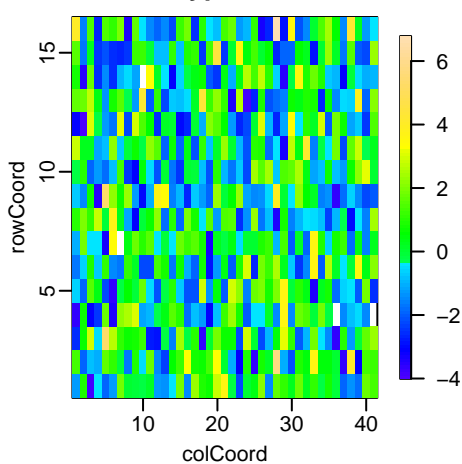
Residuals



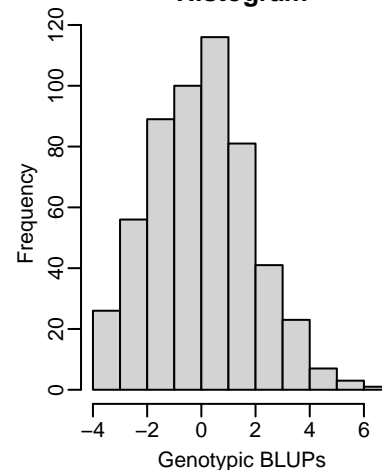
Fitted Spatial Trend



Genotypic BLUPs

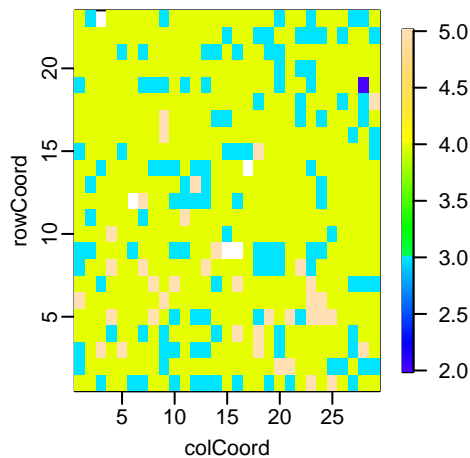


Histogram

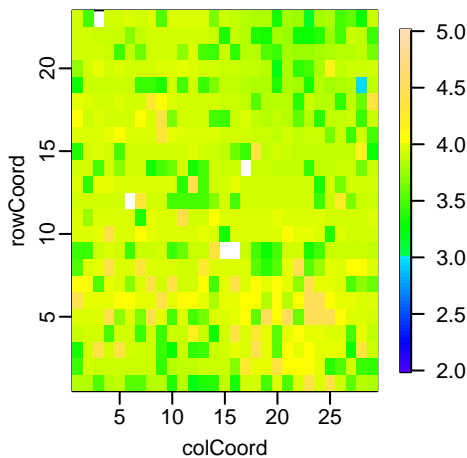


Trait: vigor1_5 – Trial: 202393DVGST_stom

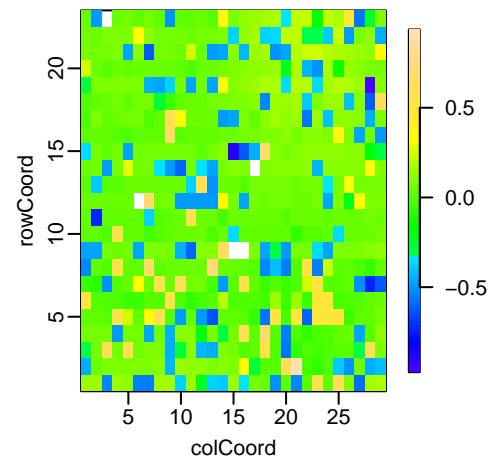
Raw data



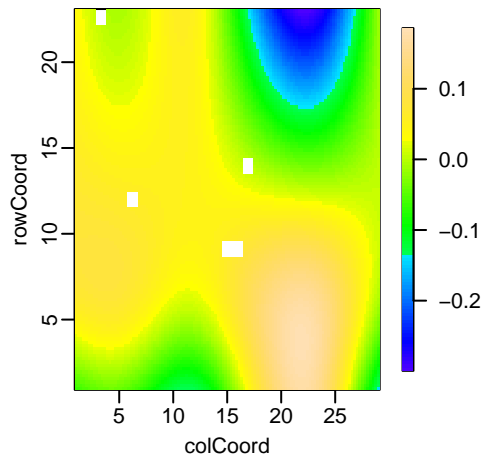
Fitted data



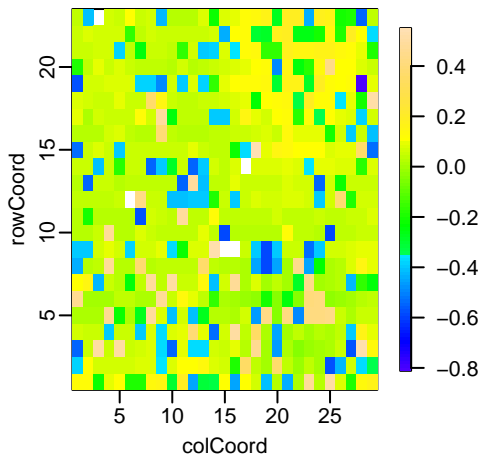
Residuals



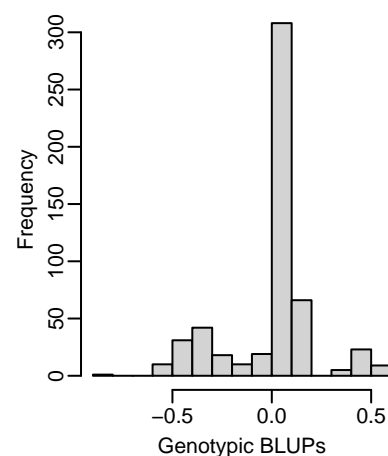
Fitted Spatial Trend



Genotypic BLUPs

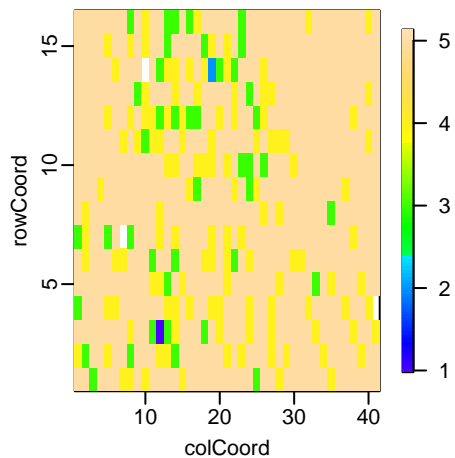


Histogram

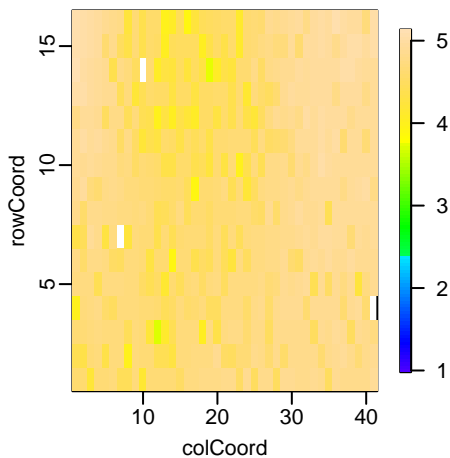


Trait: vigor1_5 – Trial: 202394DVGST_momi

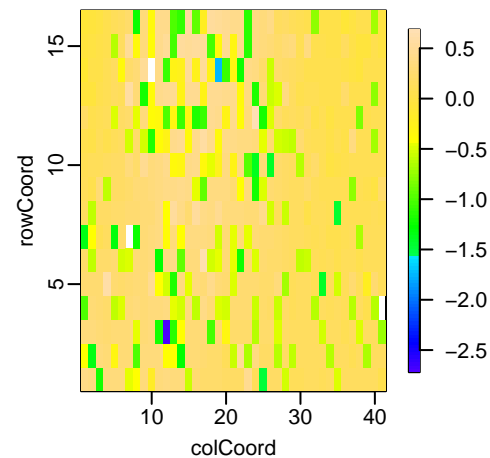
Raw data



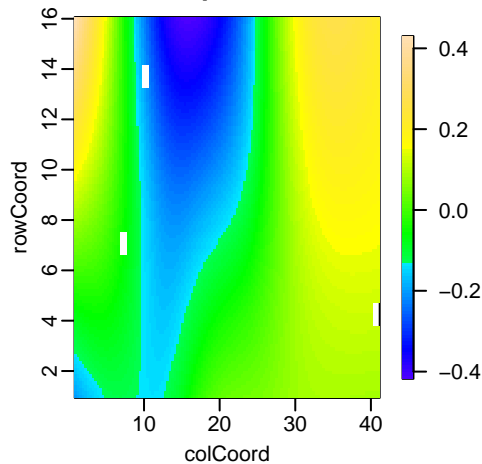
Fitted data



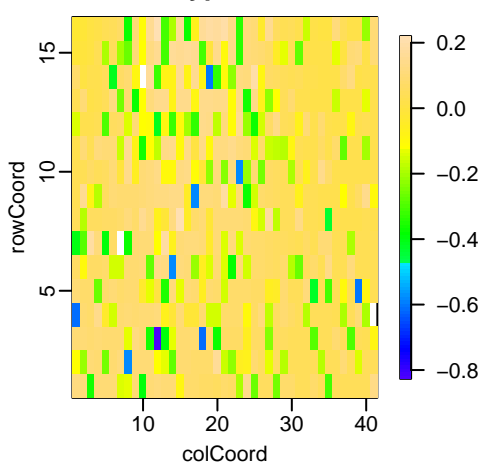
Residuals



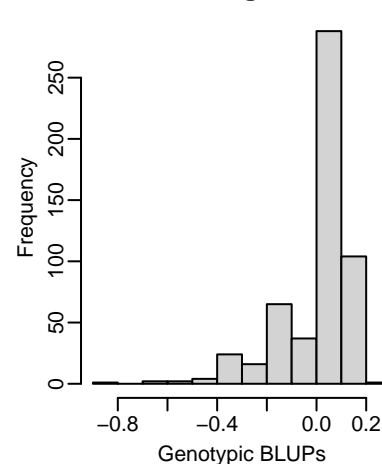
Fitted Spatial Trend



Genotypic BLUPs

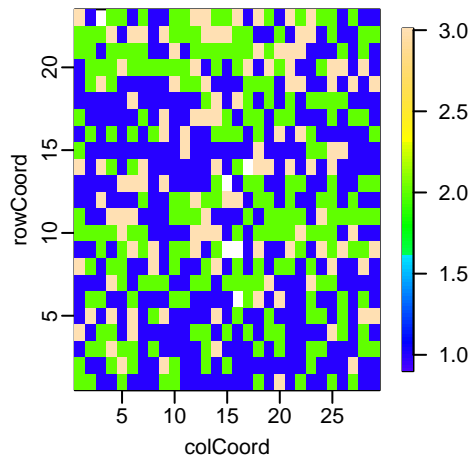


Histogram

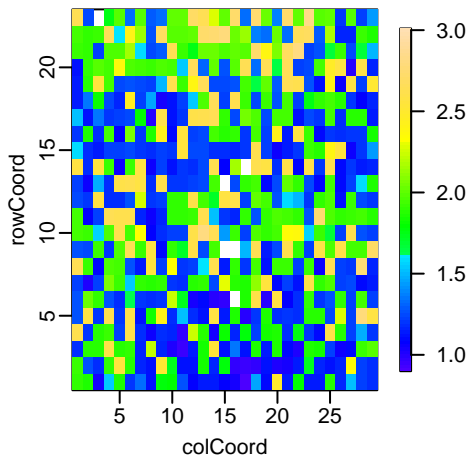


Trait: lodging1_3 – Trial: 202393DVGST_stom

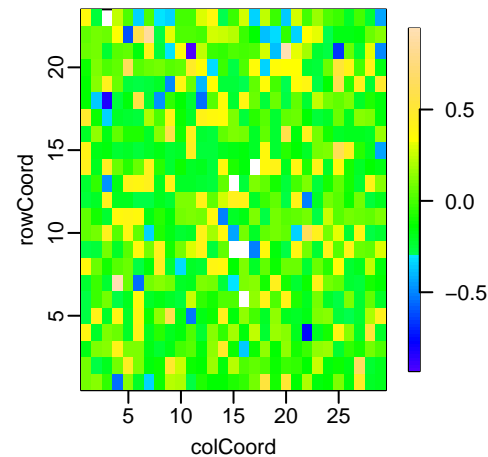
Raw data



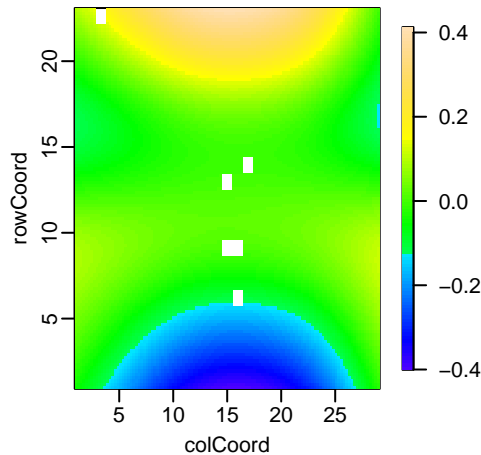
Fitted data



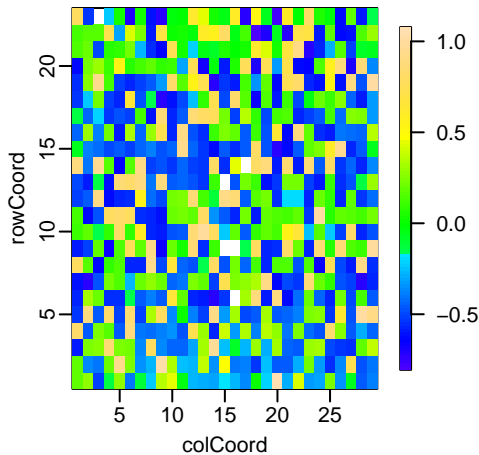
Residuals



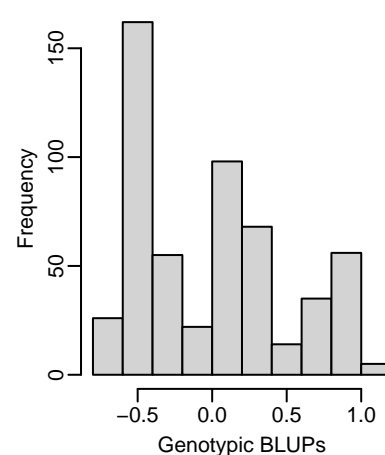
Fitted Spatial Trend



Genotypic BLUPs

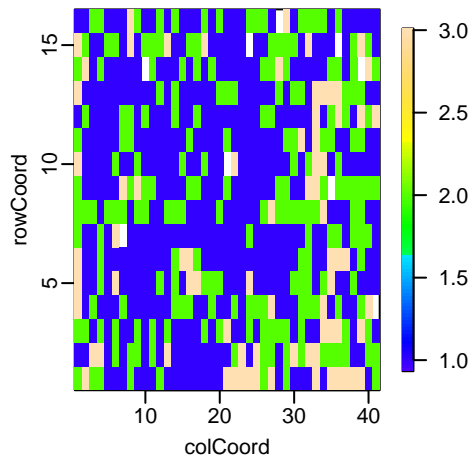


Histogram

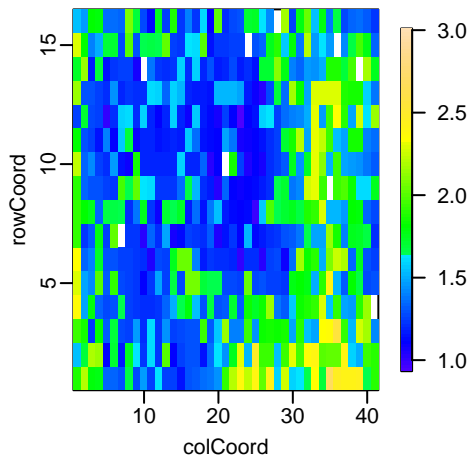


Trait: lodging1_3 – Trial: 202394DVGST_momi

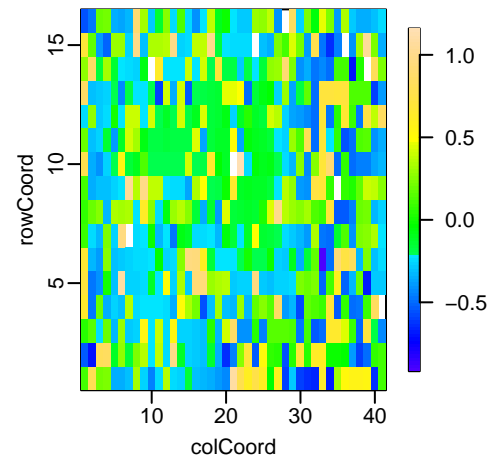
Raw data



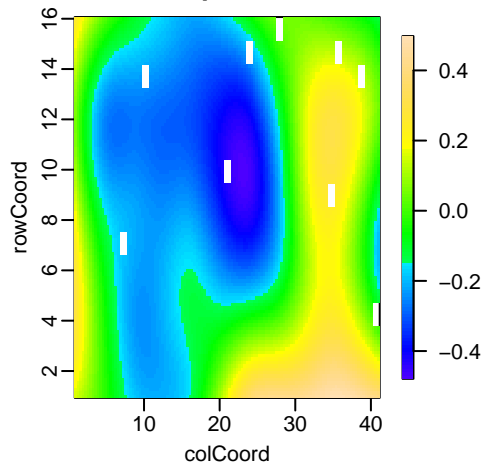
Fitted data



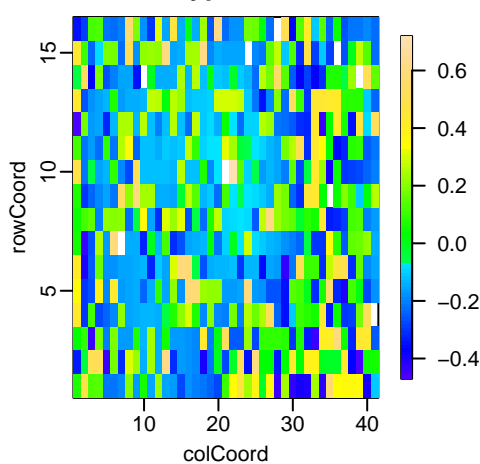
Residuals



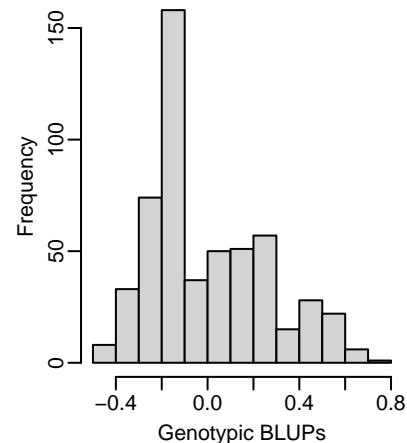
Fitted Spatial Trend



Genotypic BLUPs

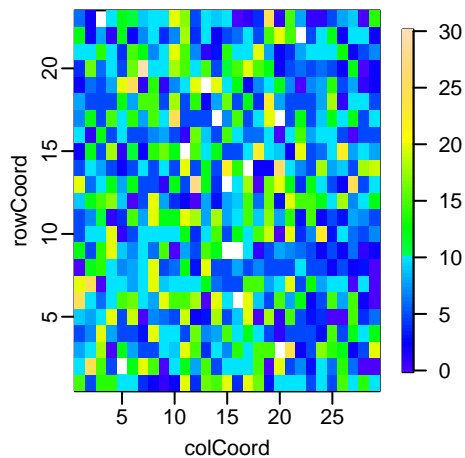


Histogram

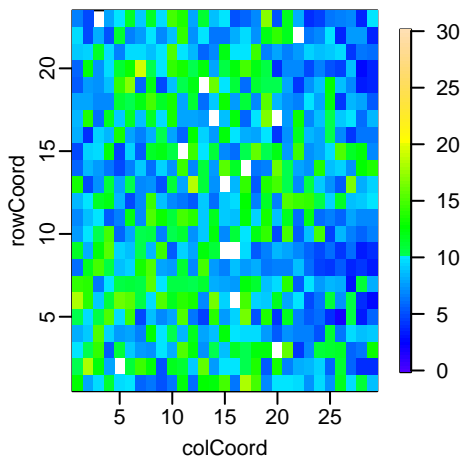


Trait: root_number_commercial – Trial: 202393DVGST_stom

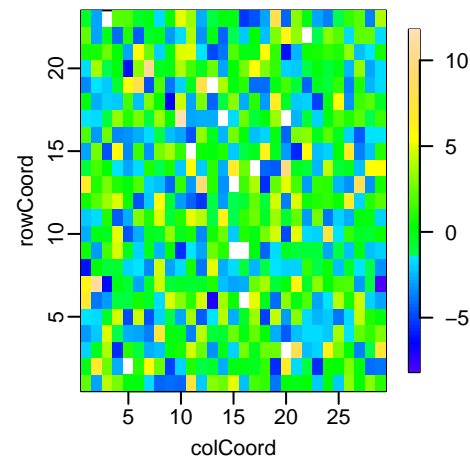
Raw data



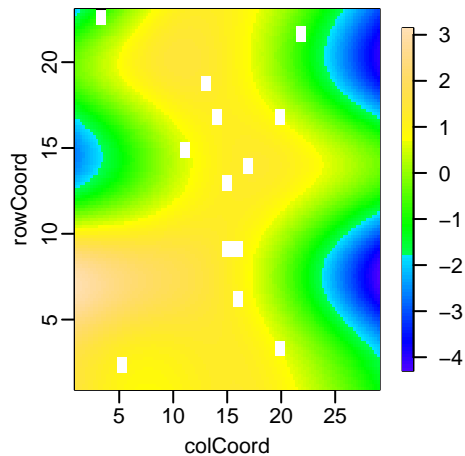
Fitted data



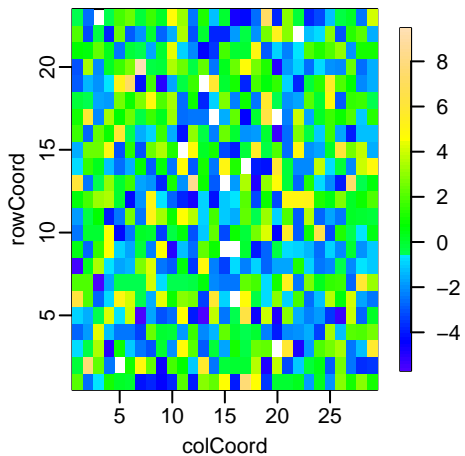
Residuals



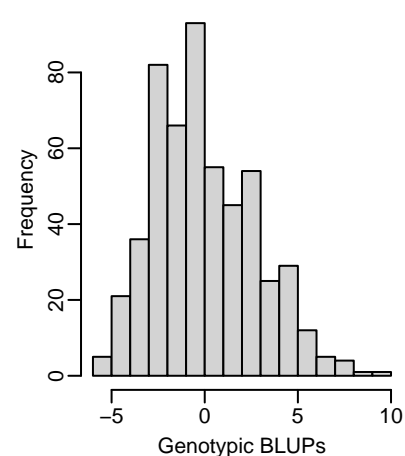
Fitted Spatial Trend



Genotypic BLUPs

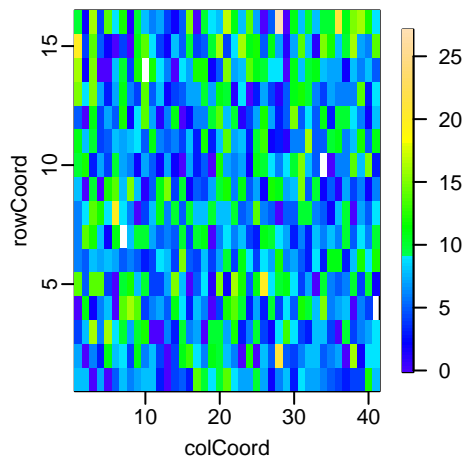


Histogram

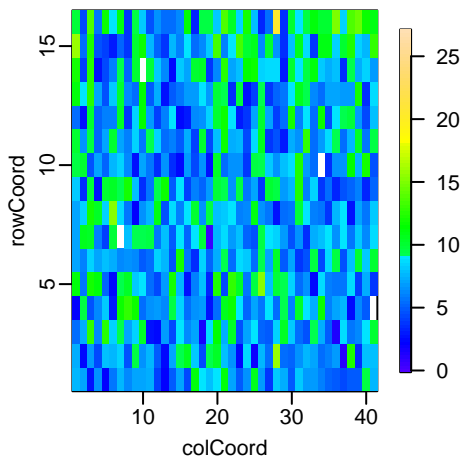


Trait: root_number_commercial – Trial: 202394DVGST_momi

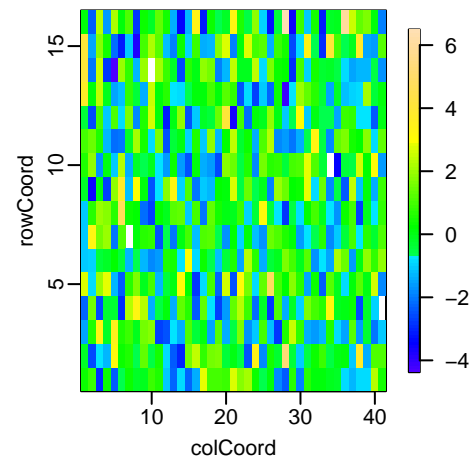
Raw data



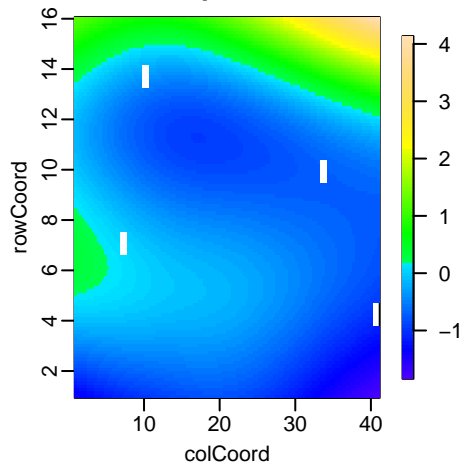
Fitted data



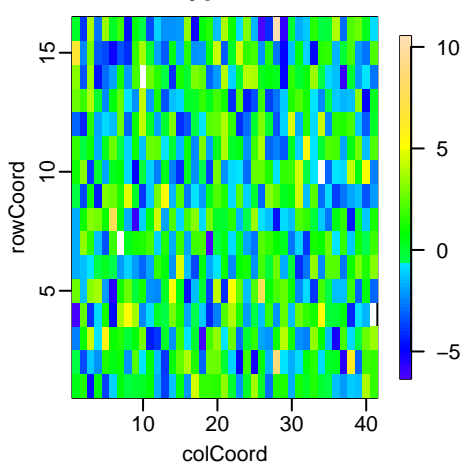
Residuals



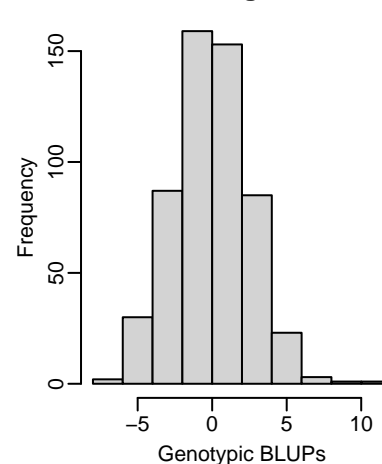
Fitted Spatial Trend



Genotypic BLUPs

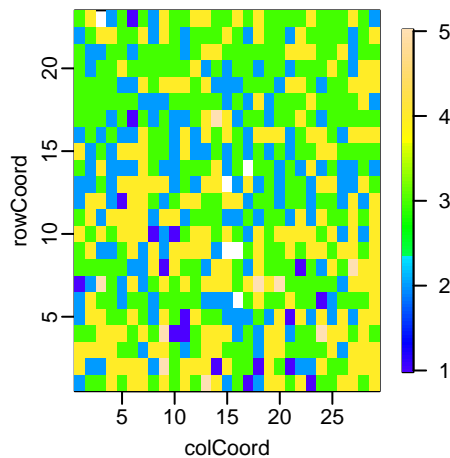


Histogram

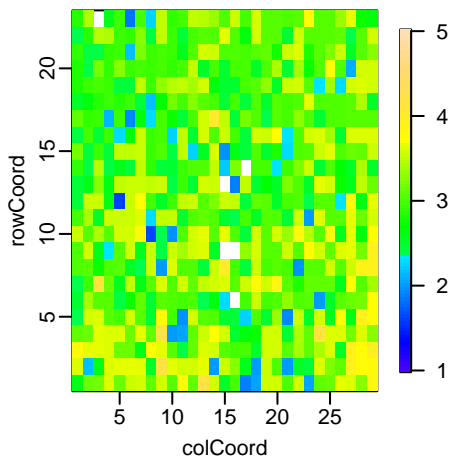


Trait: plant_type – Trial: 202393DVGST_stom

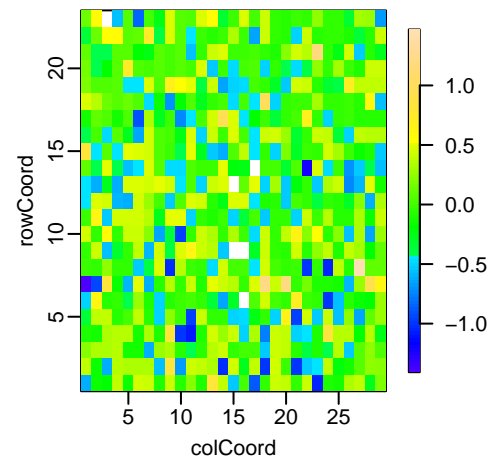
Raw data



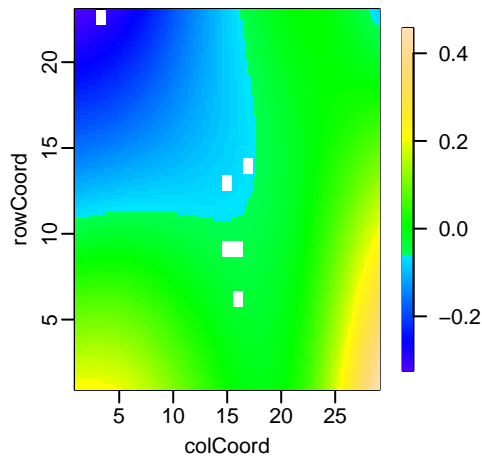
Fitted data



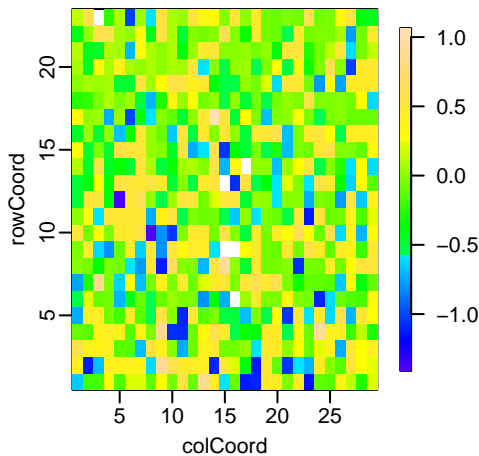
Residuals



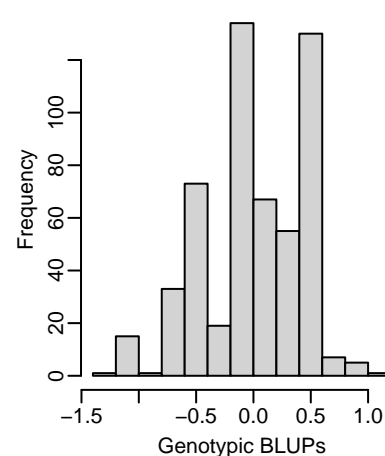
Fitted Spatial Trend



Genotypic BLUPs

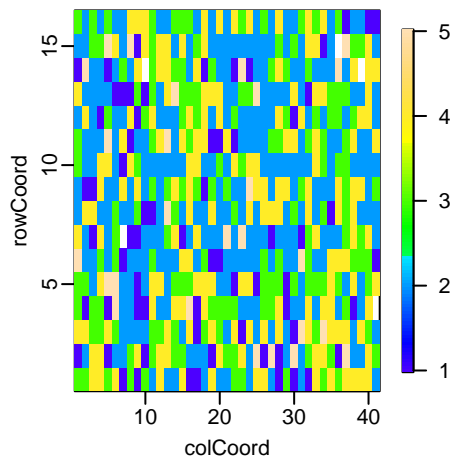


Histogram

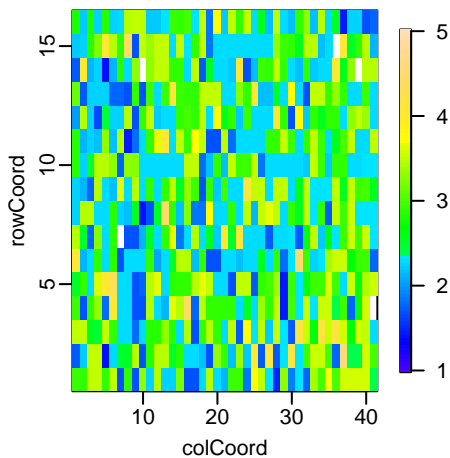


Trait: plant_type – Trial: 202394DVGST_momi

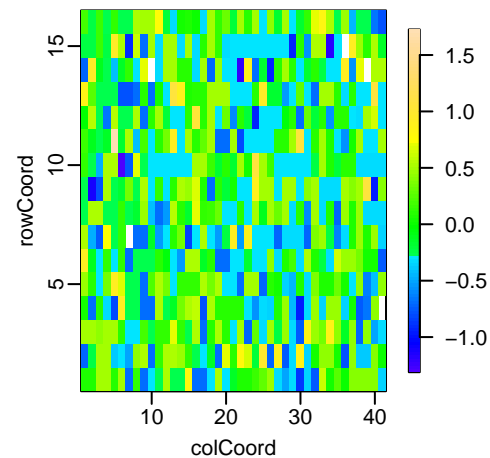
Raw data



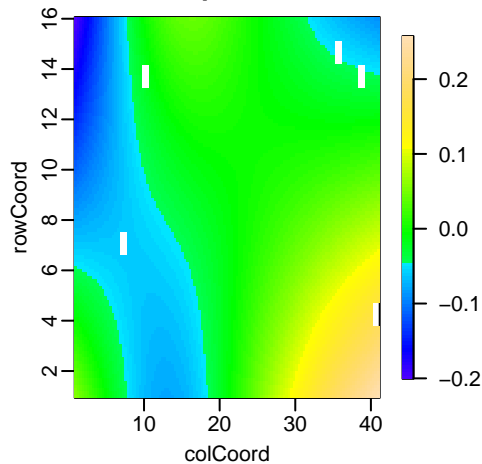
Fitted data



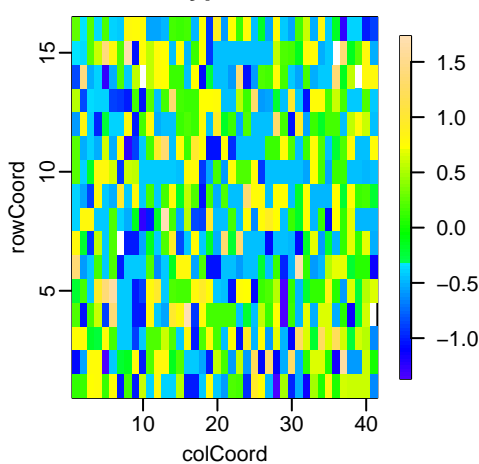
Residuals



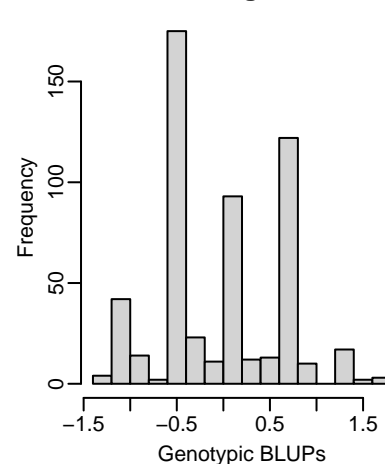
Fitted Spatial Trend



Genotypic BLUPs

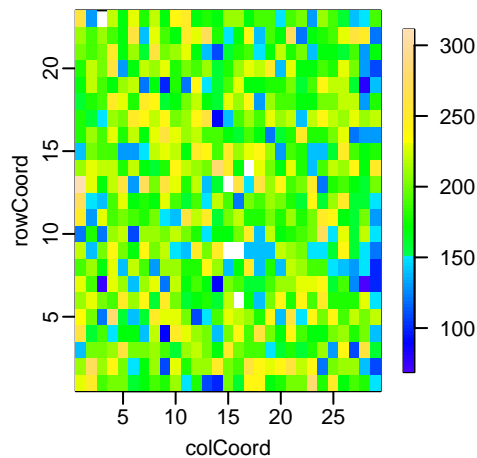


Histogram

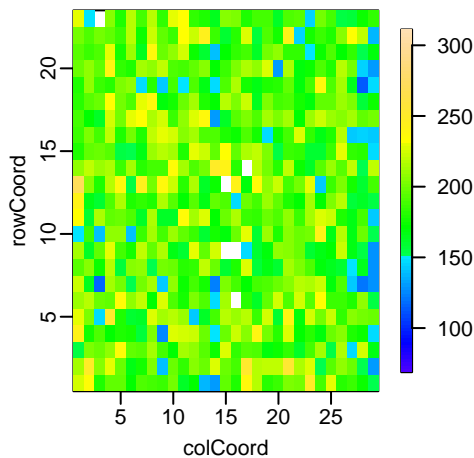


Trait: height – Trial: 202393DVGST_stom

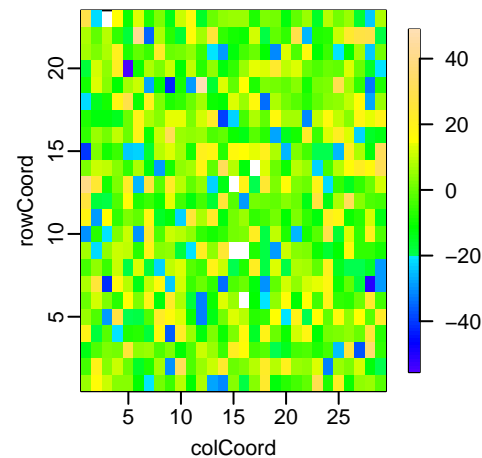
Raw data



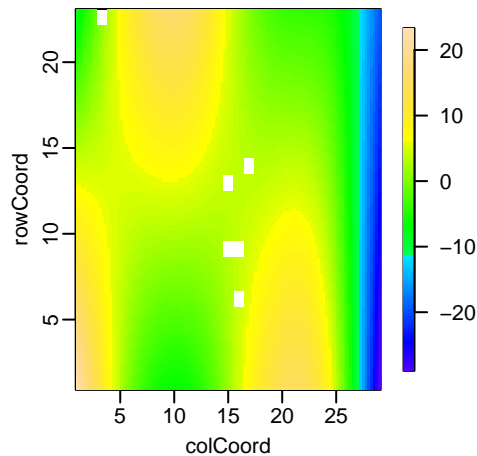
Fitted data



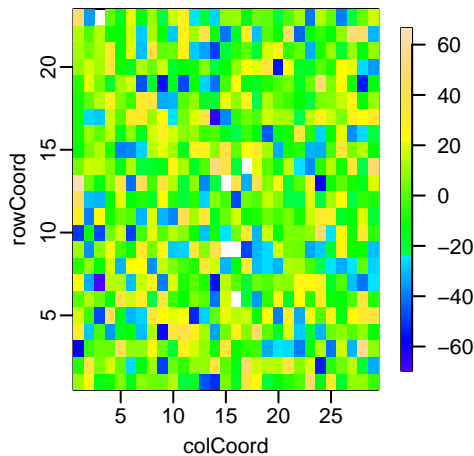
Residuals



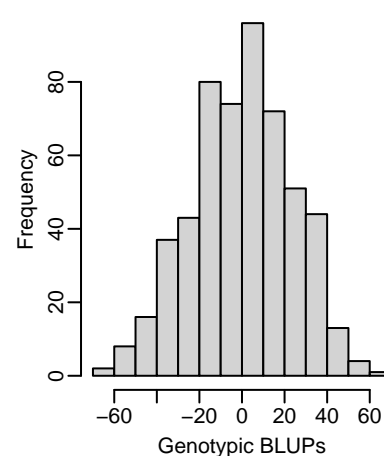
Fitted Spatial Trend



Genotypic BLUPs

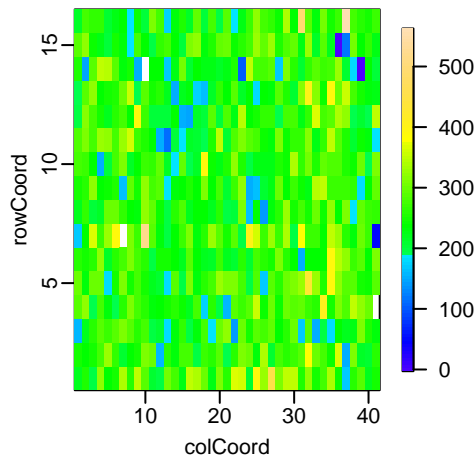


Histogram

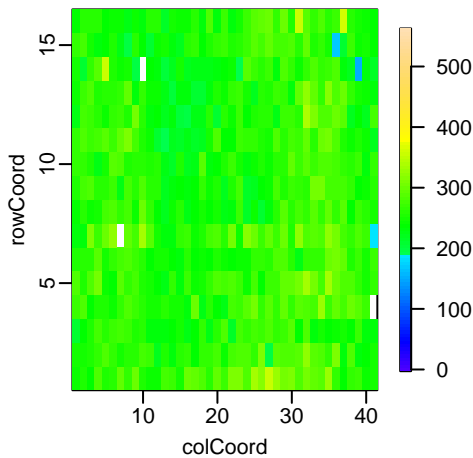


Trait: height – Trial: 202394DVGST_momi

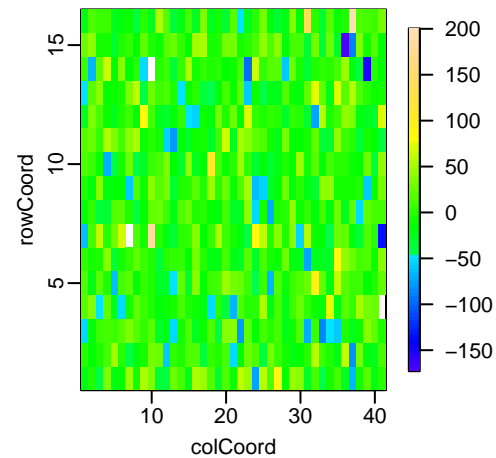
Raw data



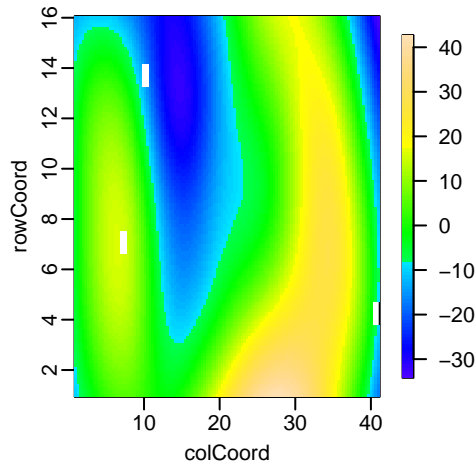
Fitted data



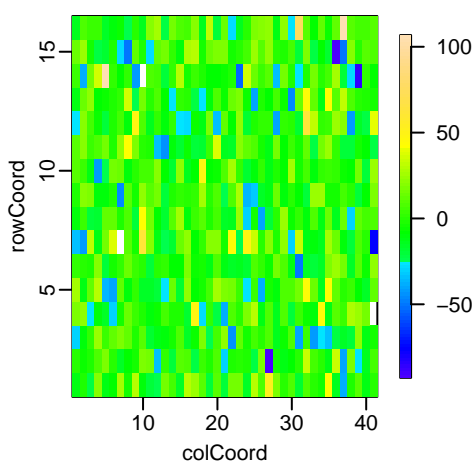
Residuals



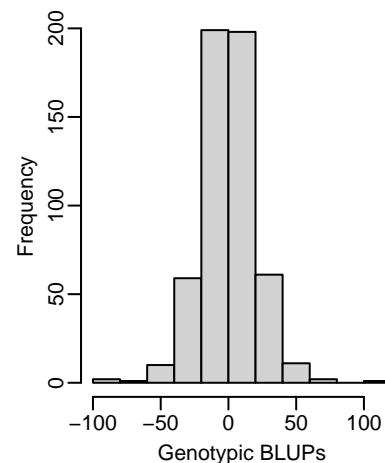
Fitted Spatial Trend



Genotypic BLUPs

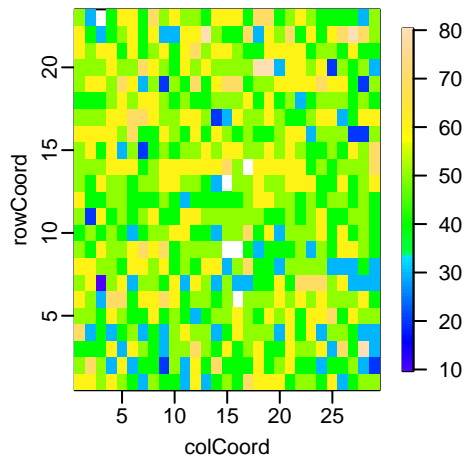


Histogram

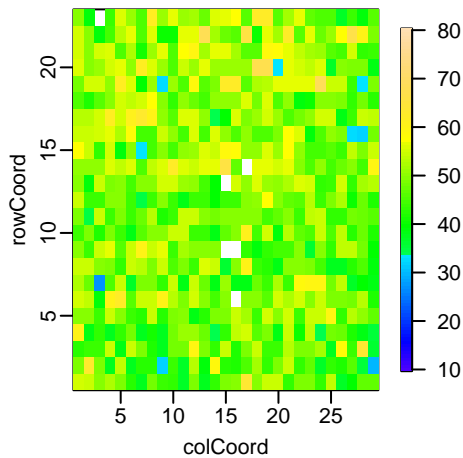


Trait: height_wt_leaf – Trial: 202393DVGST_stom

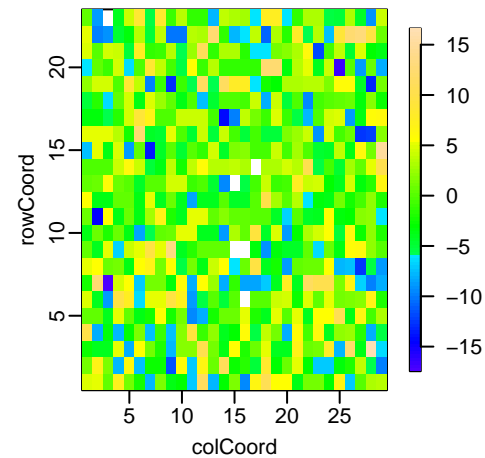
Raw data



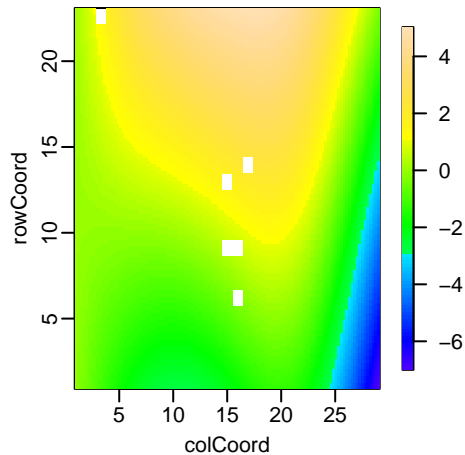
Fitted data



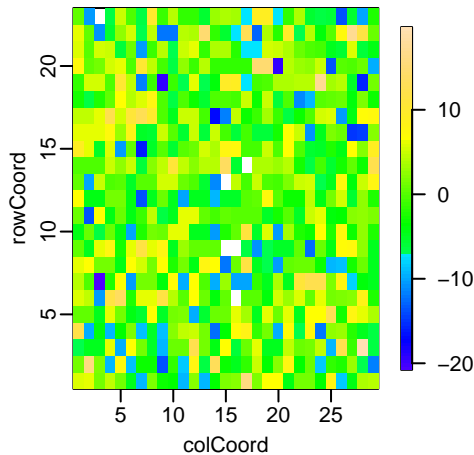
Residuals



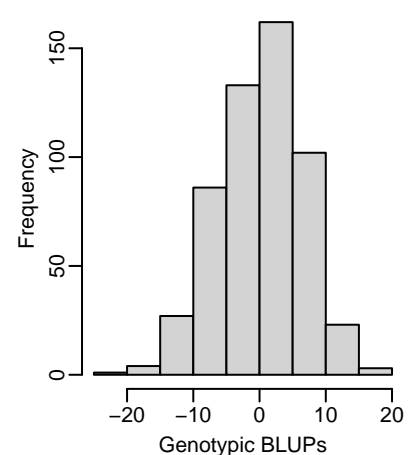
Fitted Spatial Trend



Genotypic BLUPs

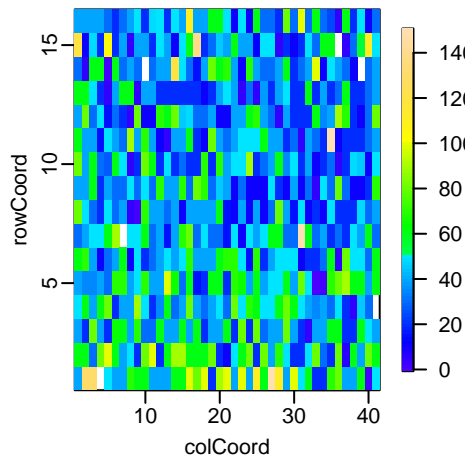


Histogram

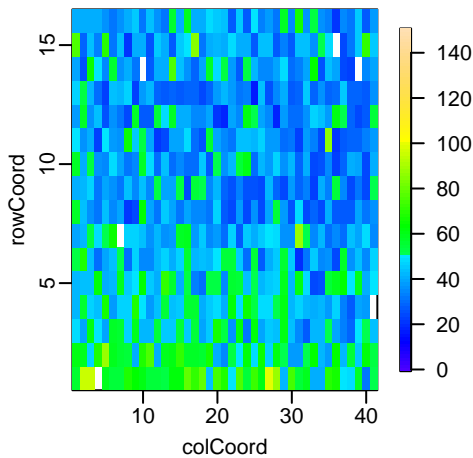


Trait: height_wt_leaf – Trial: 202394DVGST_momi

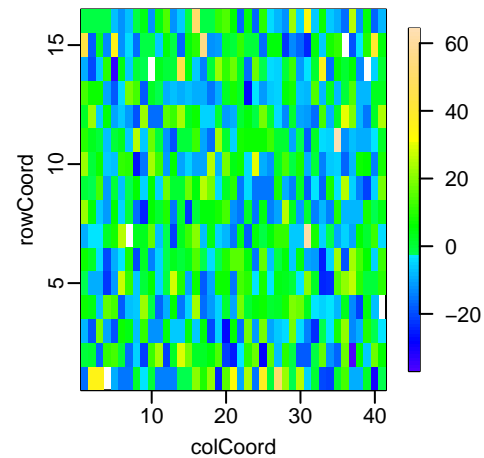
Raw data



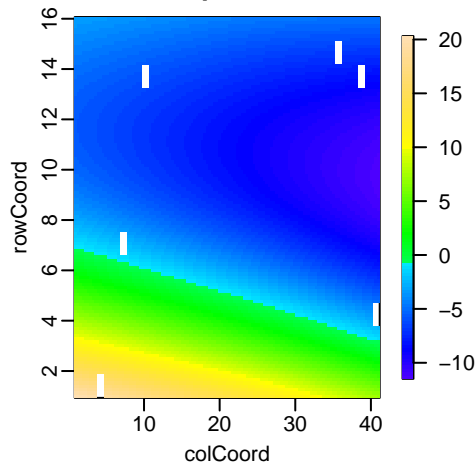
Fitted data



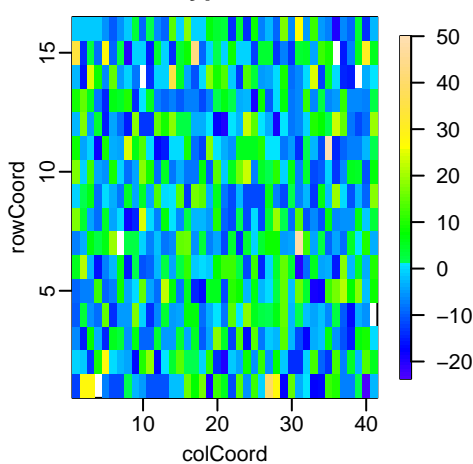
Residuals



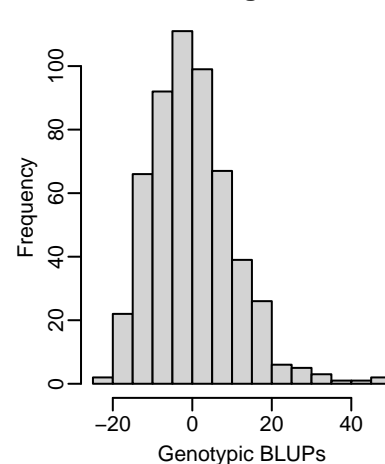
Fitted Spatial Trend



Genotypic BLUPs

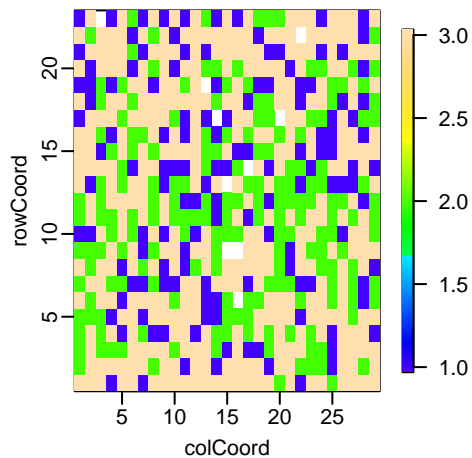


Histogram

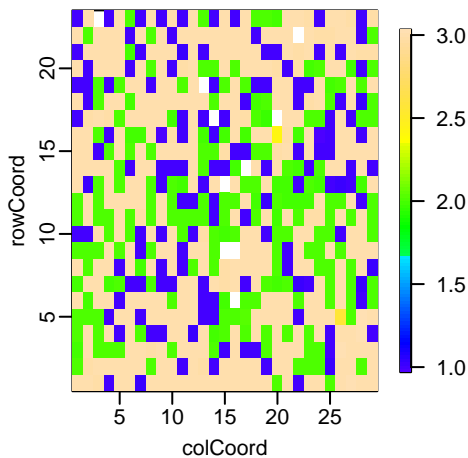


Trait: root_skin_color1_3 – Trial: 202393DVGST_stom

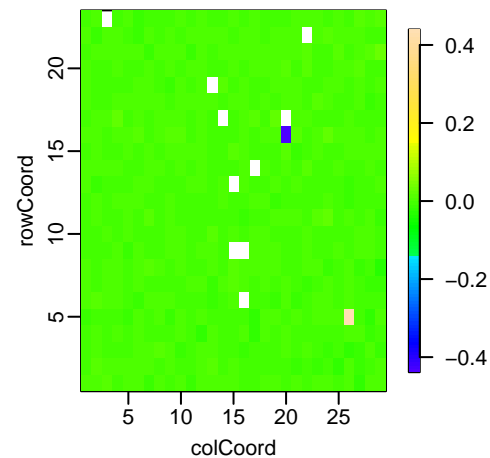
Raw data



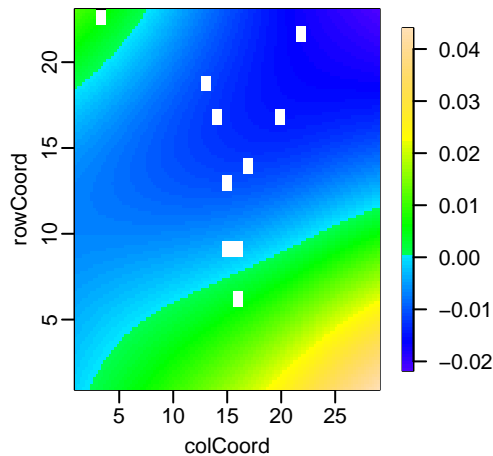
Fitted data



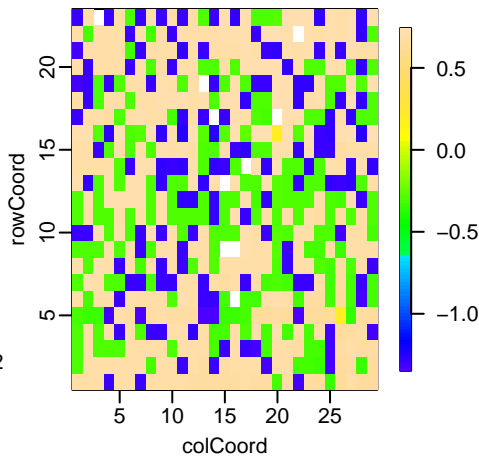
Residuals



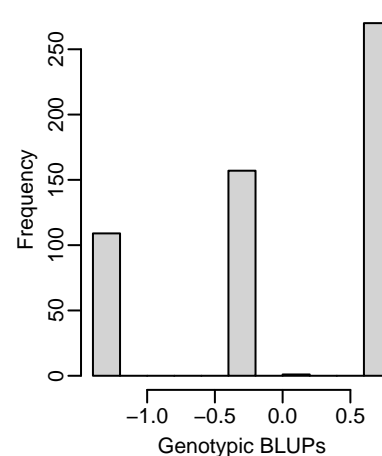
Fitted Spatial Trend



Genotypic BLUPs

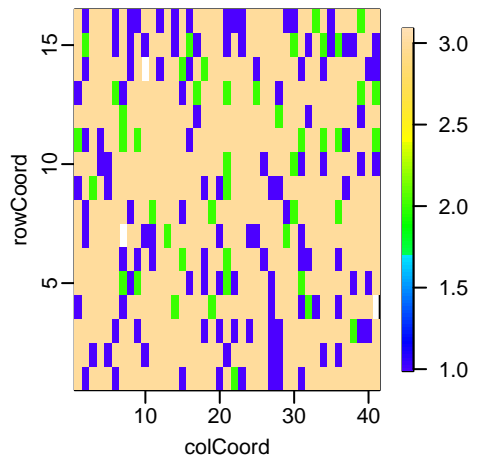


Histogram

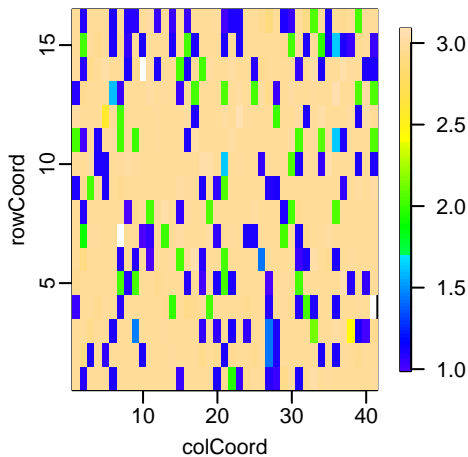


Trait: root_skin_color1_3 – Trial: 202394DVGST_momi

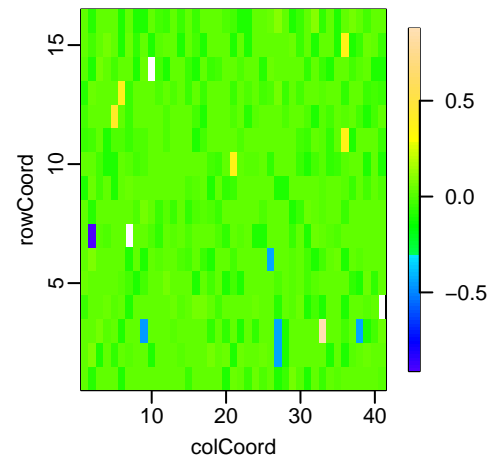
Raw data



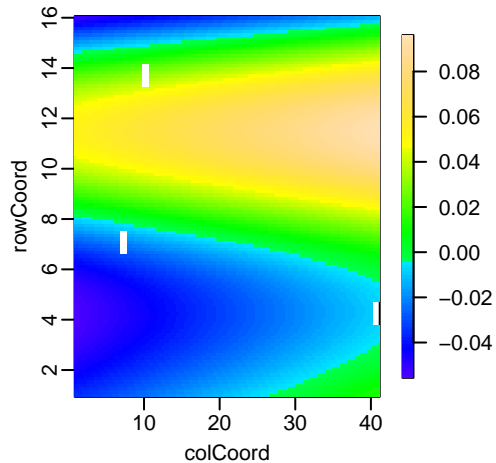
Fitted data



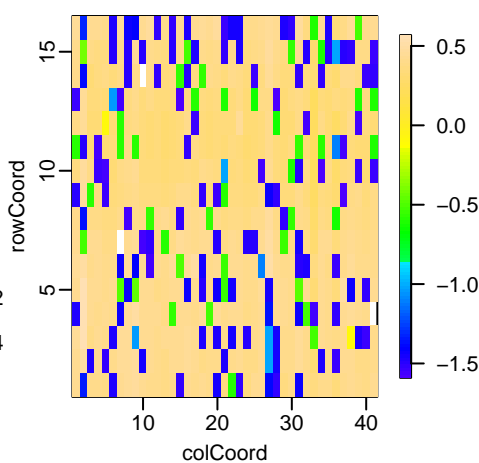
Residuals



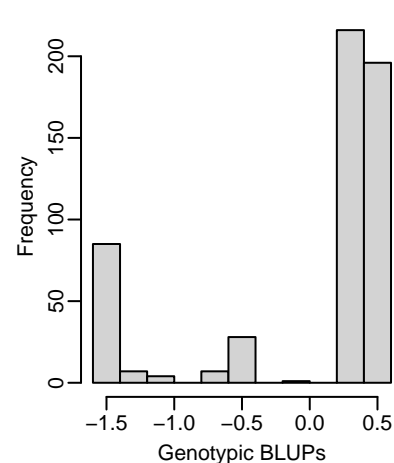
Fitted Spatial Trend



Genotypic BLUPs

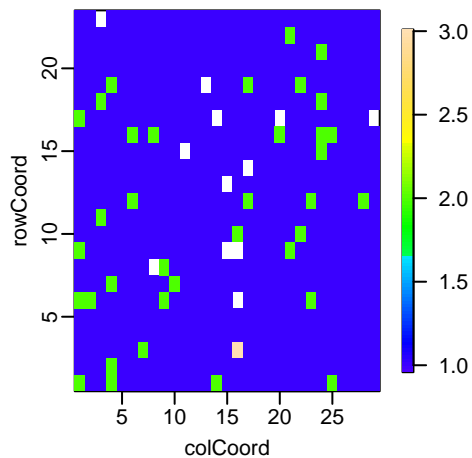


Histogram

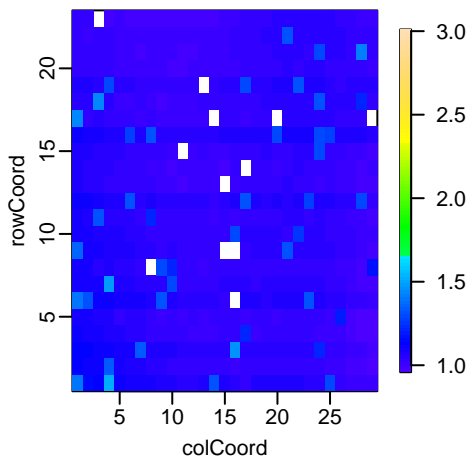


Trait: root_constriction1_3 – Trial: 202393DVGST_stom

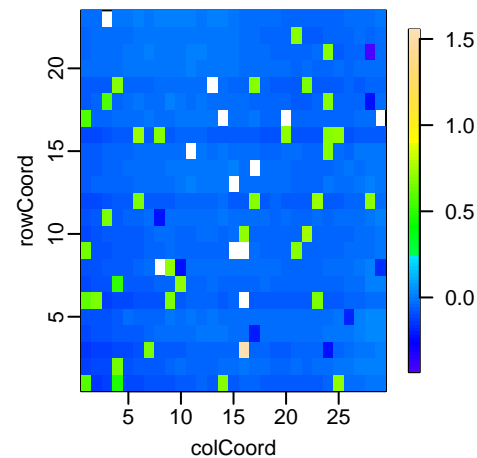
Raw data



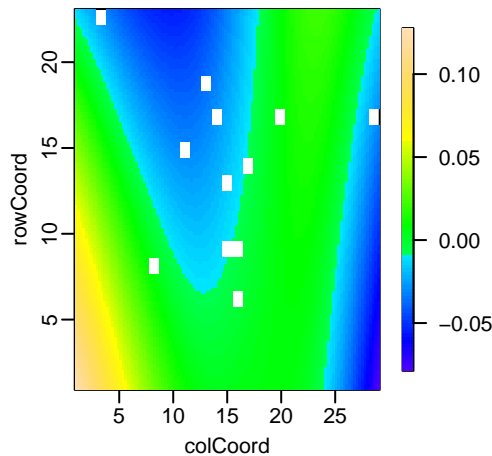
Fitted data



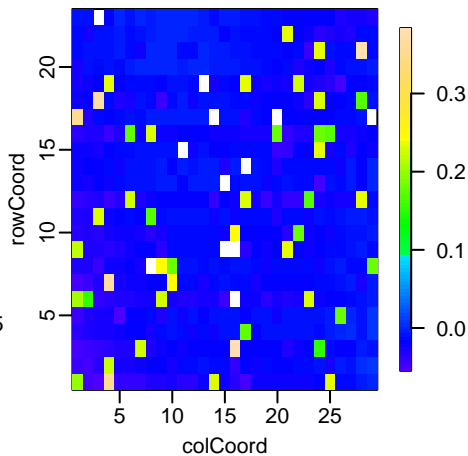
Residuals



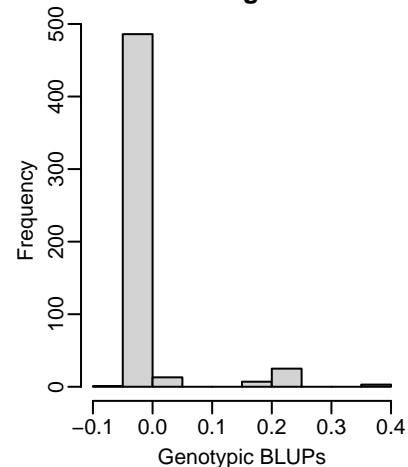
Fitted Spatial Trend



Genotypic BLUPs

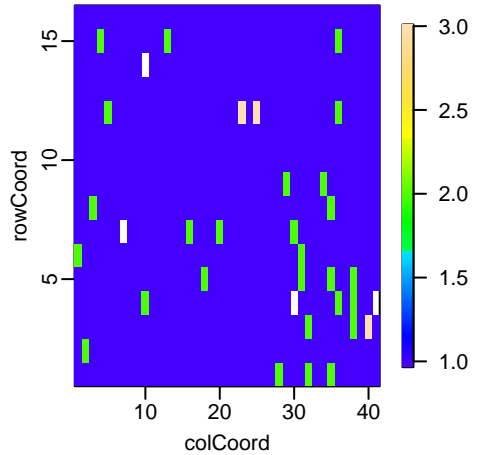


Histogram

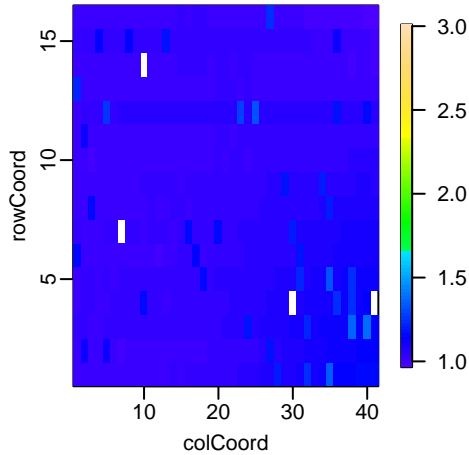


Trait: root_constriction1_3 – Trial: 202394DVGST_momi

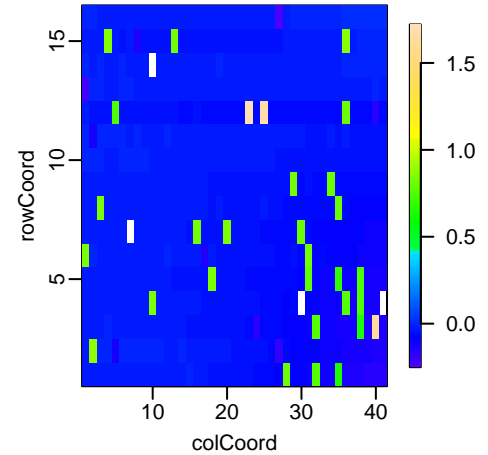
Raw data



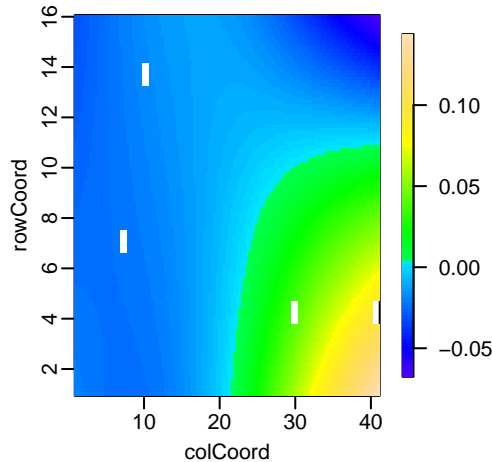
Fitted data



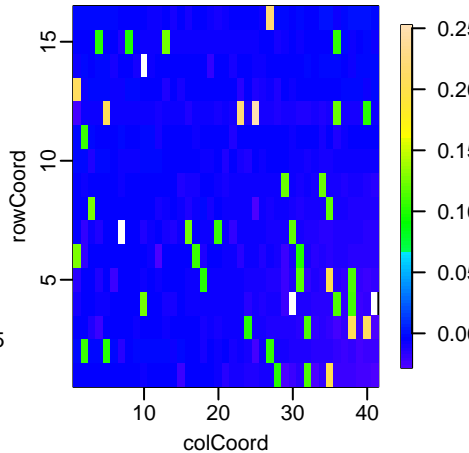
Residuals



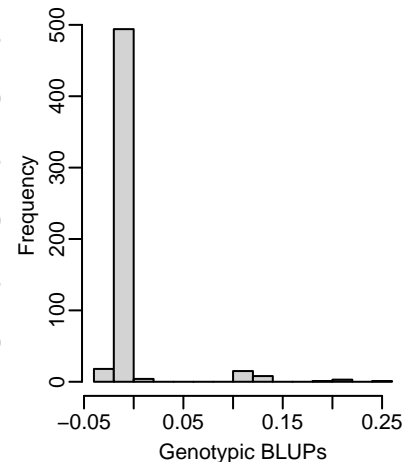
Fitted Spatial Trend



Genotypic BLUPs

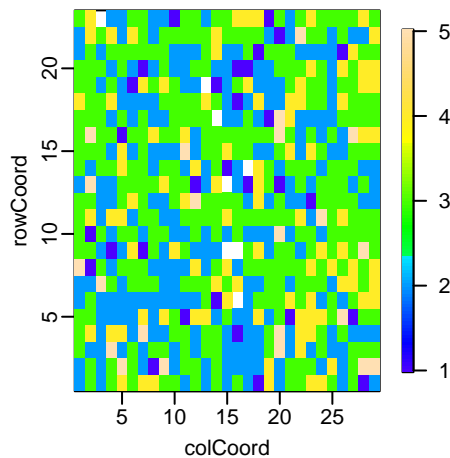


Histogram

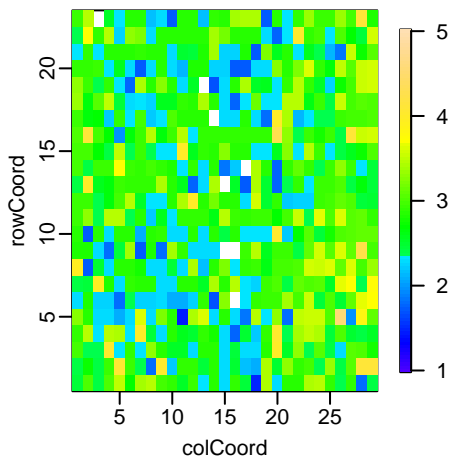


Trait: root_type1_5 – Trial: 202393DVGST_stom

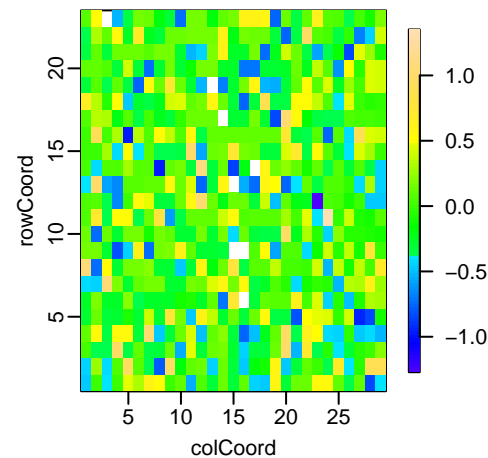
Raw data



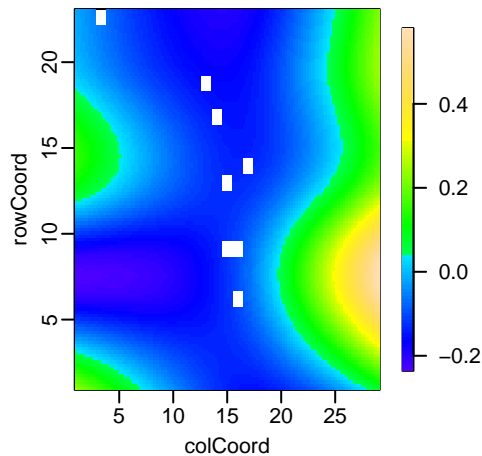
Fitted data



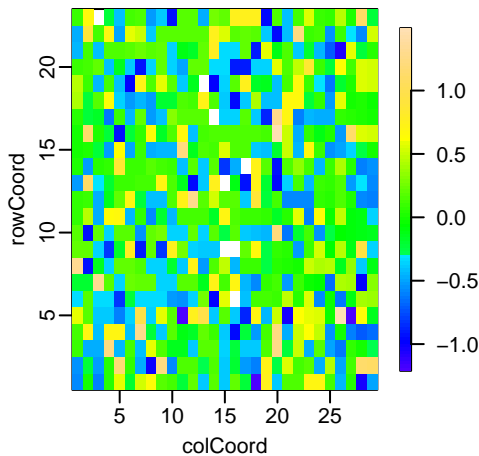
Residuals



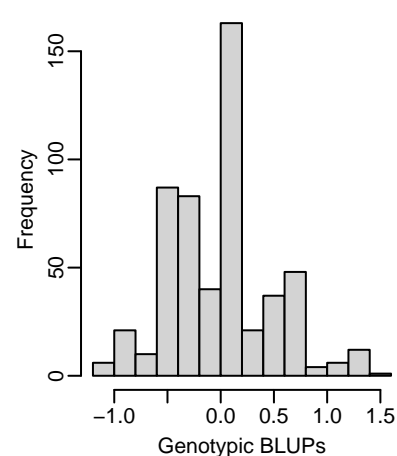
Fitted Spatial Trend



Genotypic BLUPs

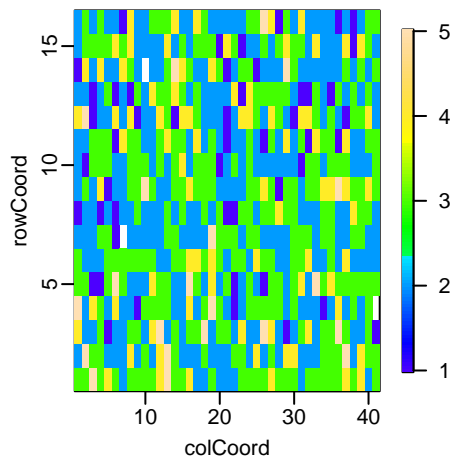


Histogram

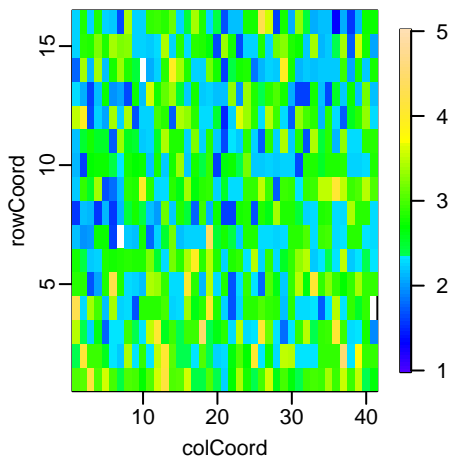


Trait: root_type1_5 – Trial: 202394DVGST_momi

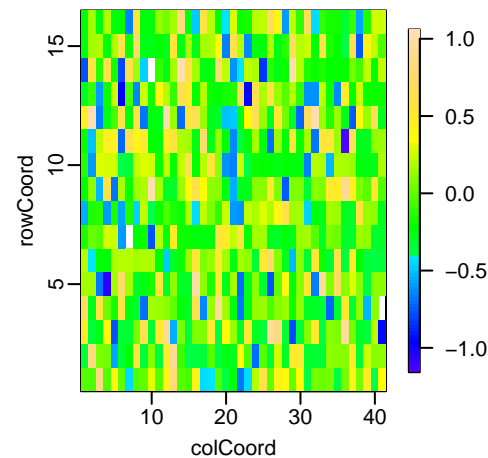
Raw data



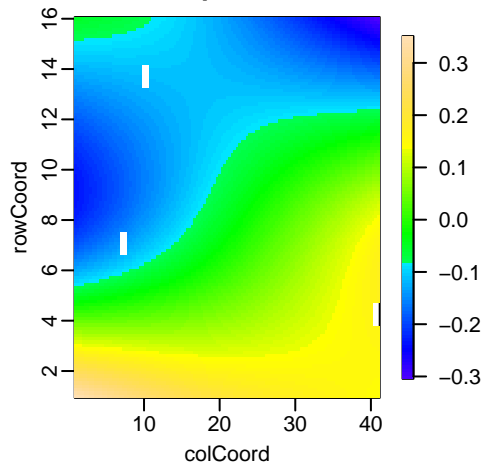
Fitted data



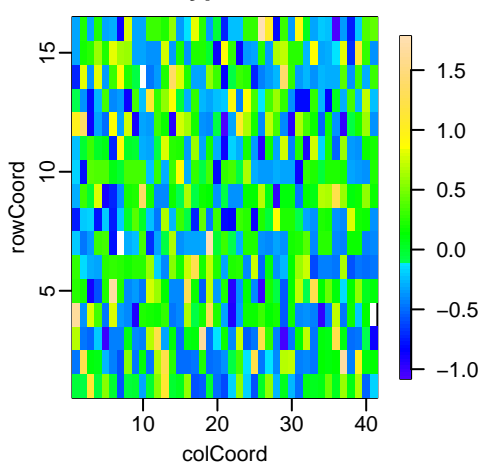
Residuals



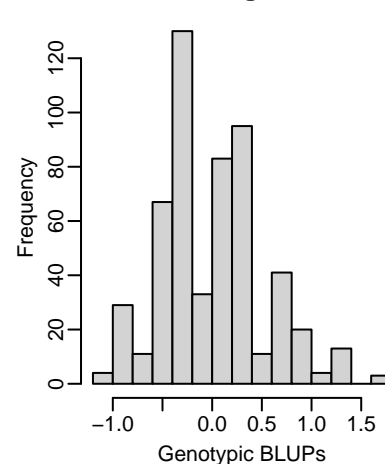
Fitted Spatial Trend



Genotypic BLUPs

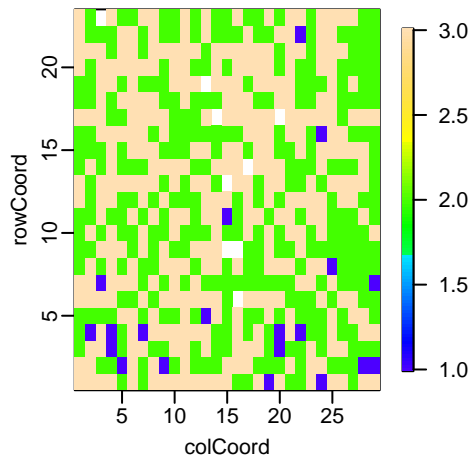


Histogram

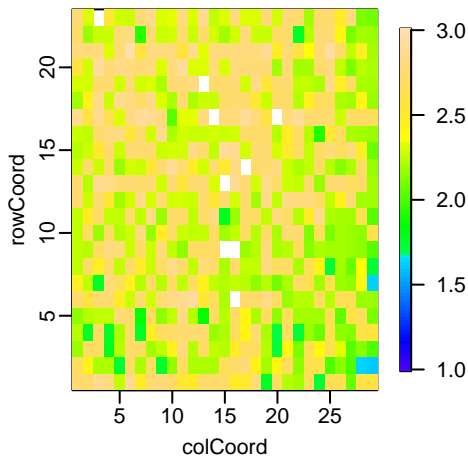


Trait: root_length1_3 – Trial: 202393DVGST_stom

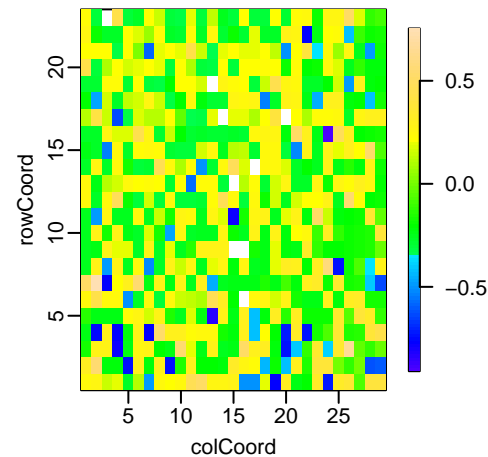
Raw data



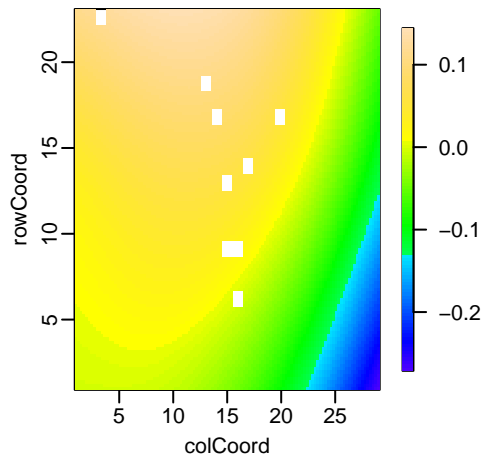
Fitted data



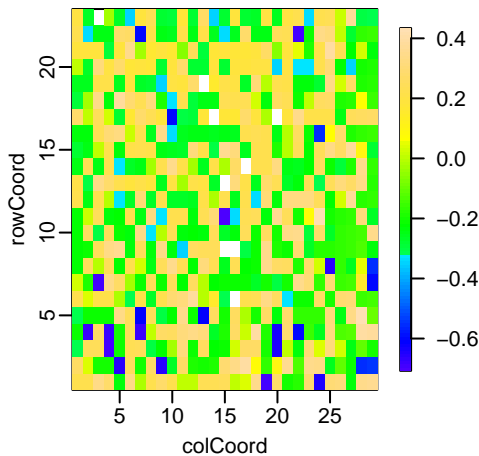
Residuals



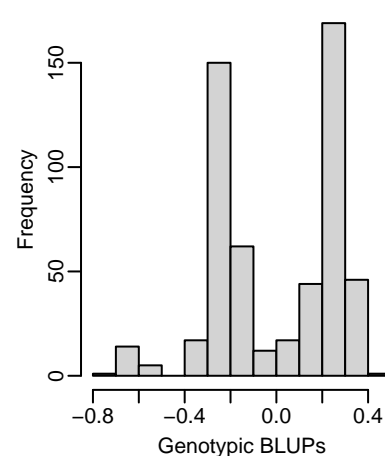
Fitted Spatial Trend



Genotypic BLUPs

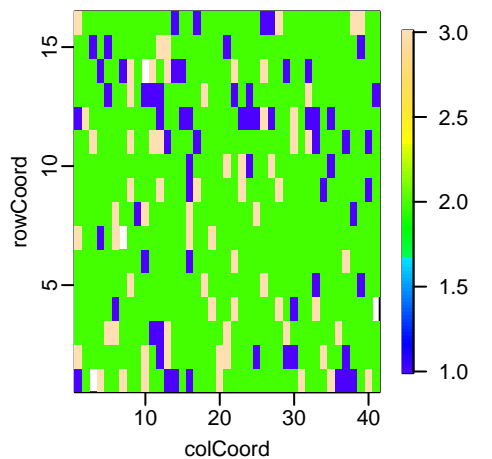


Histogram

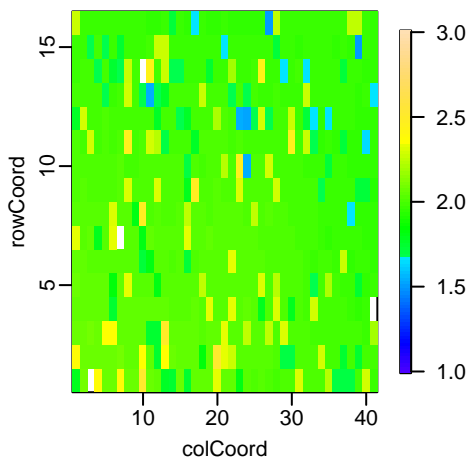


Trait: root_length1_3 – Trial: 202394DVGST_momi

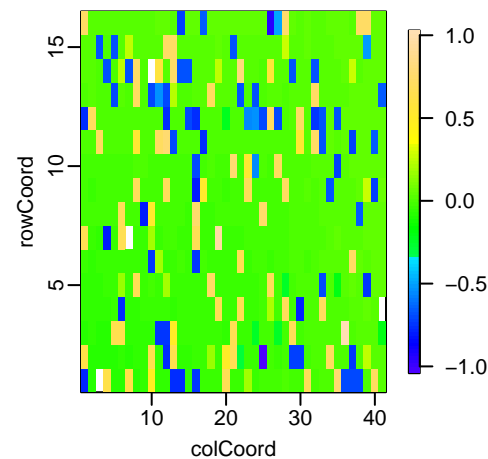
Raw data



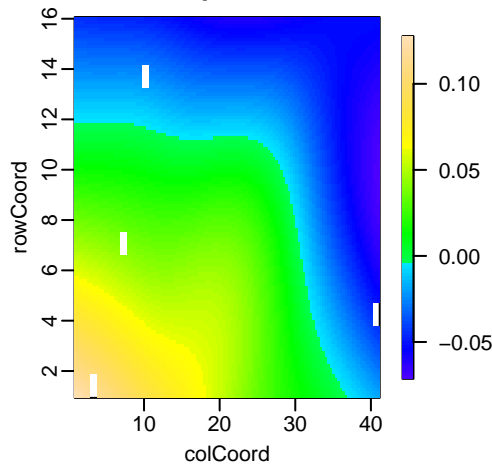
Fitted data



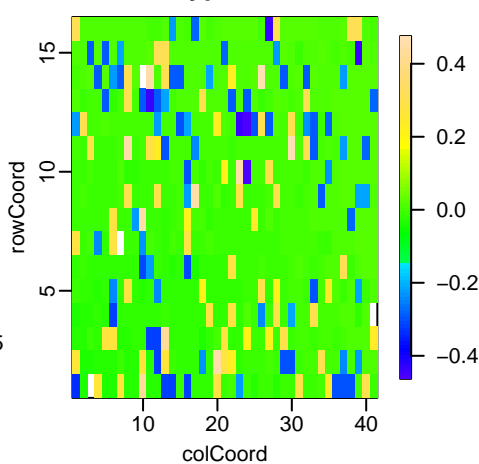
Residuals



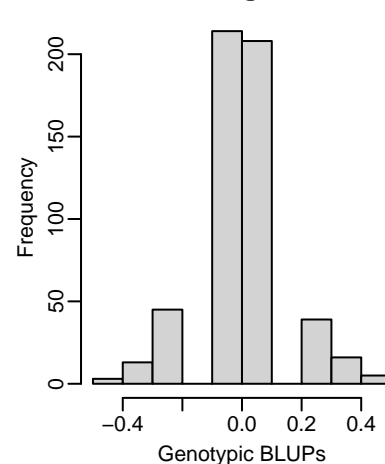
Fitted Spatial Trend



Genotypic BLUPs

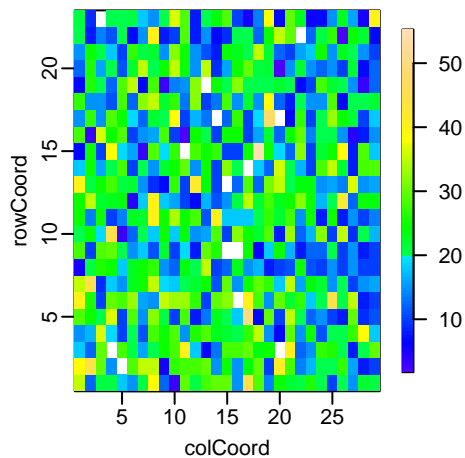


Histogram

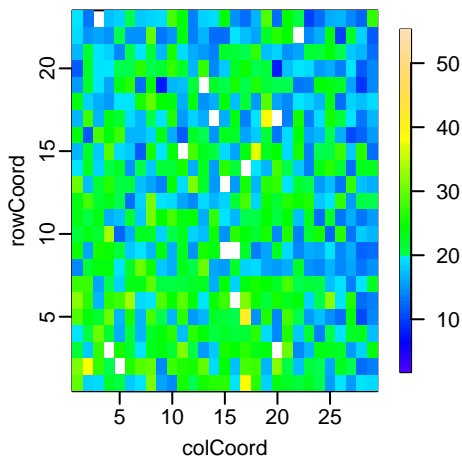


Trait: root_number – Trial: 202393DVGST_stom

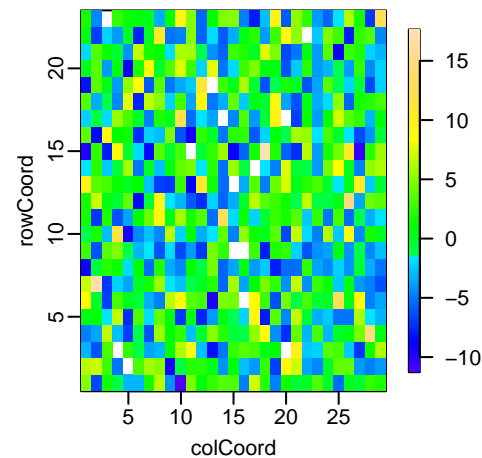
Raw data



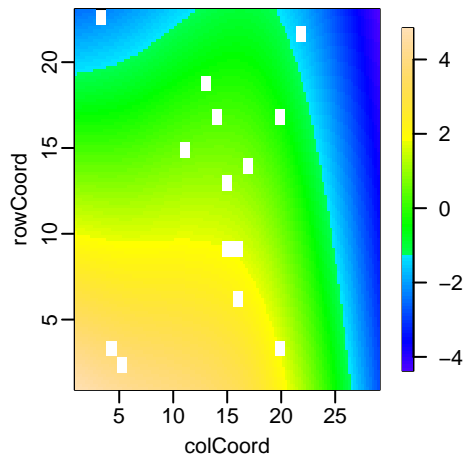
Fitted data



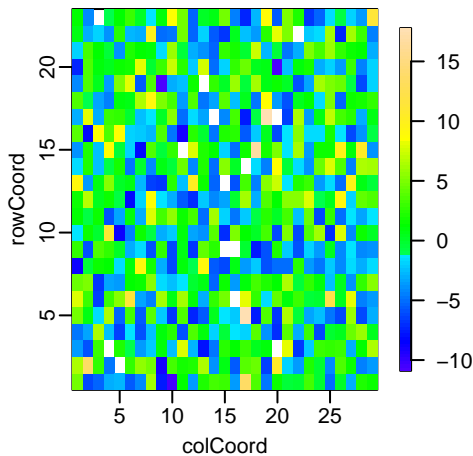
Residuals



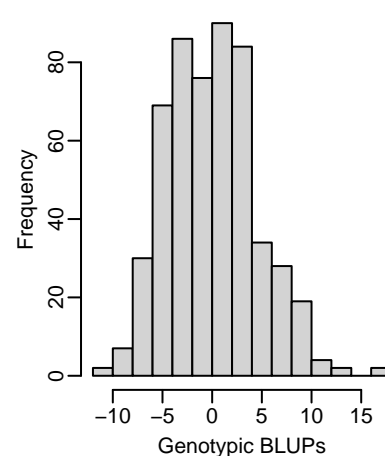
Fitted Spatial Trend



Genotypic BLUPs

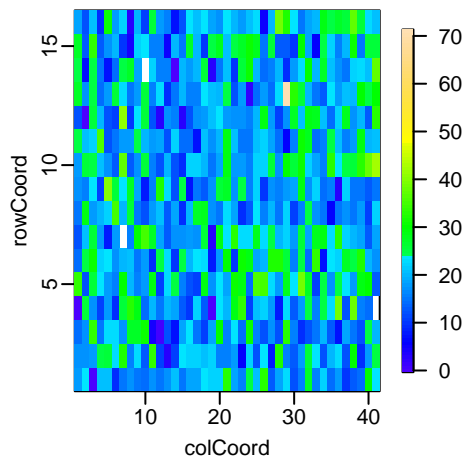


Histogram

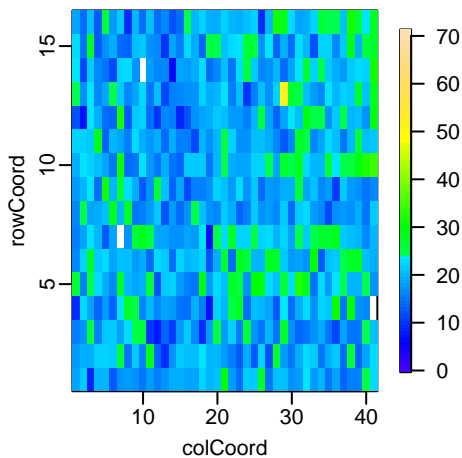


Trait: root_number – Trial: 202394DVGST_momi

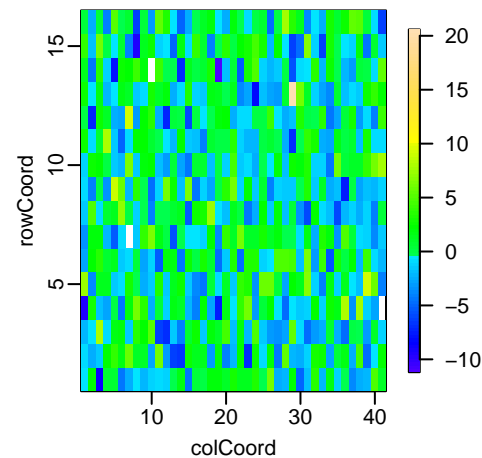
Raw data



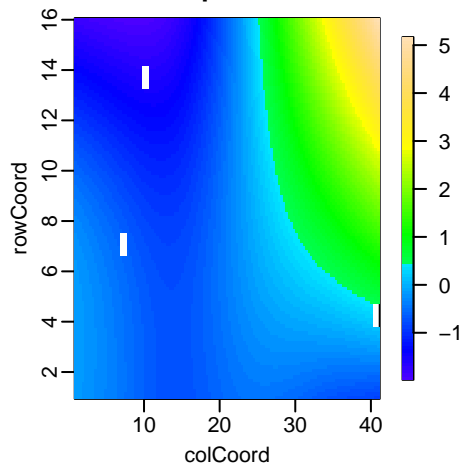
Fitted data



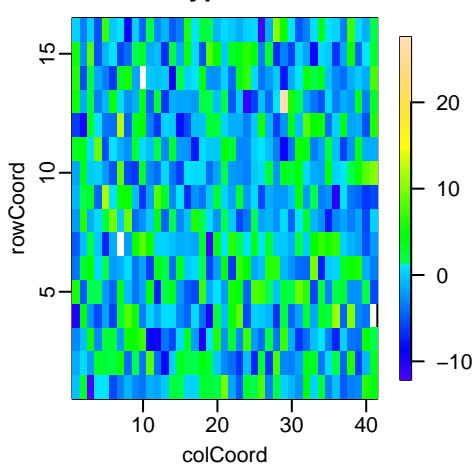
Residuals



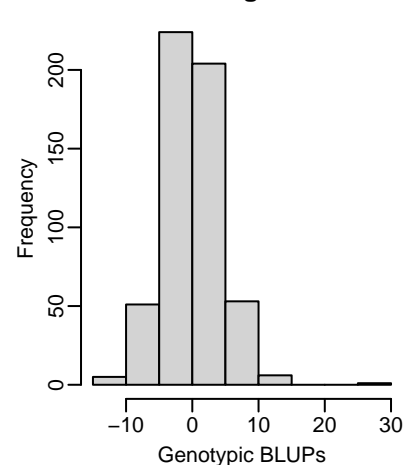
Fitted Spatial Trend



Genotypic BLUPs

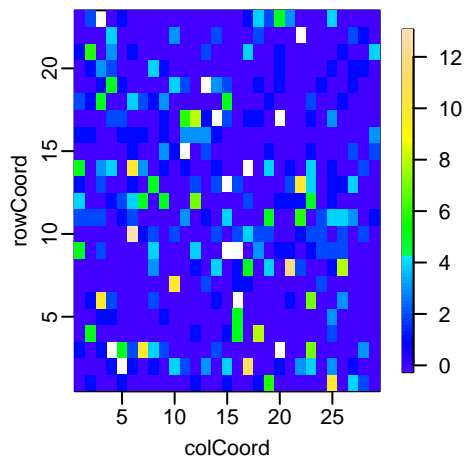


Histogram

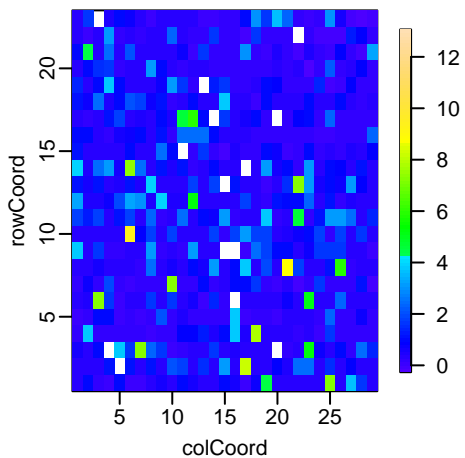


Trait: root_rot_number – Trial: 202393DVGST_stom

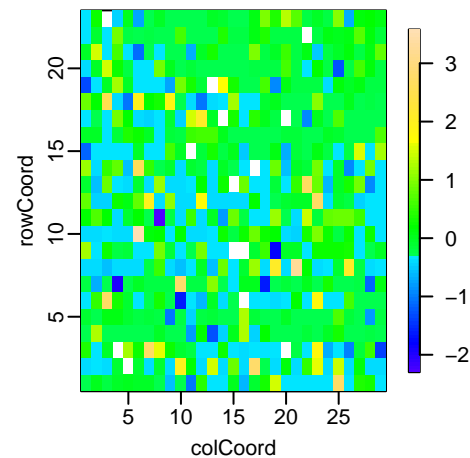
Raw data



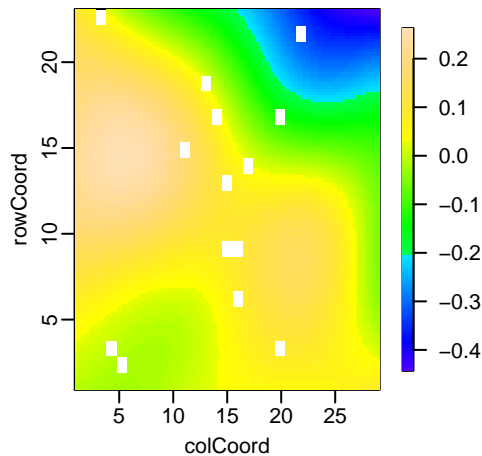
Fitted data



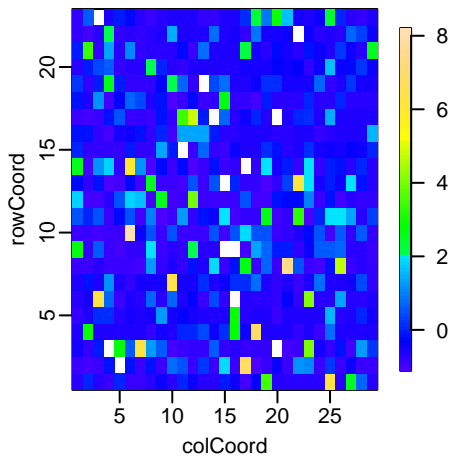
Residuals



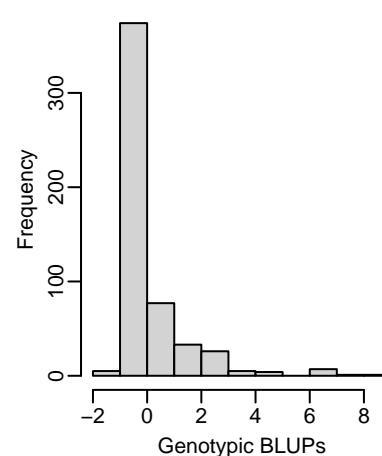
Fitted Spatial Trend



Genotypic BLUPs

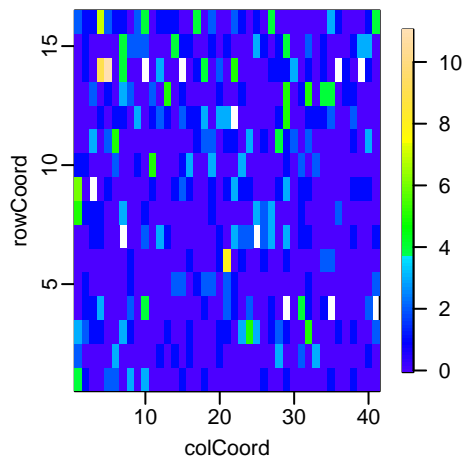


Histogram

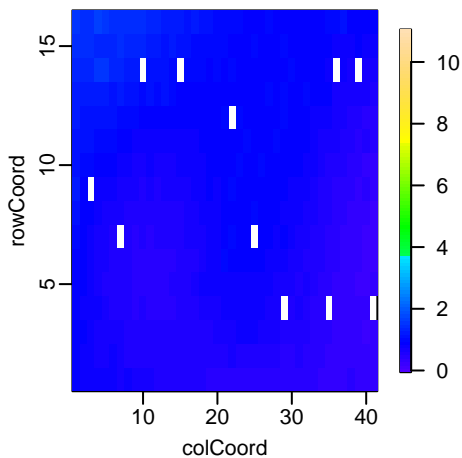


Trait: root_rot_number – Trial: 202394DVGST_momi

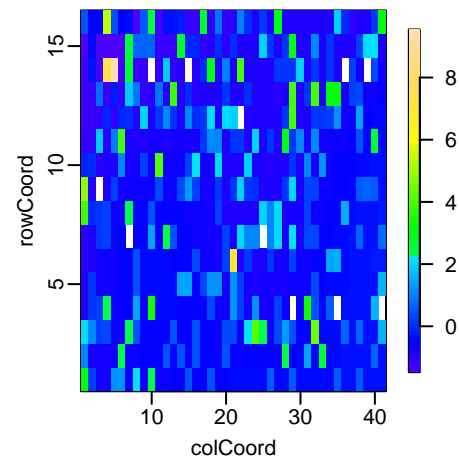
Raw data



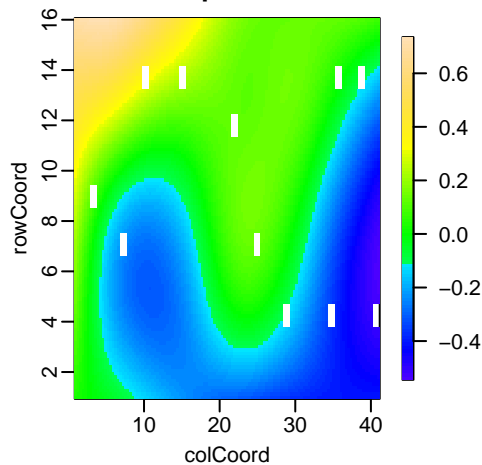
Fitted data



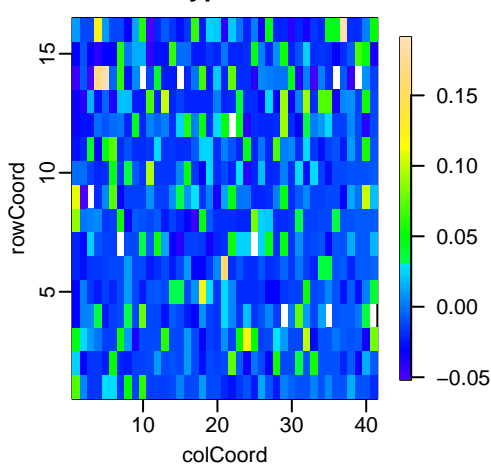
Residuals



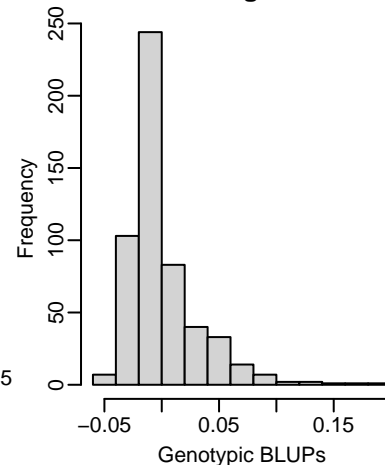
Fitted Spatial Trend



Genotypic BLUPs

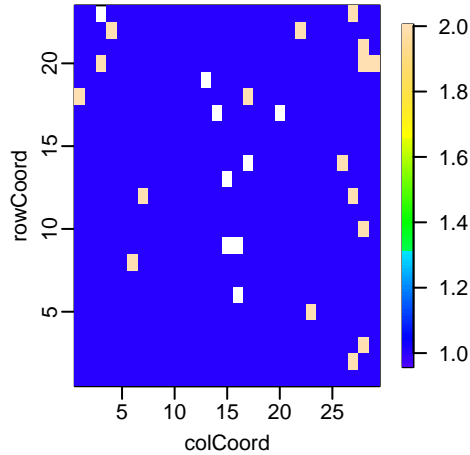


Histogram

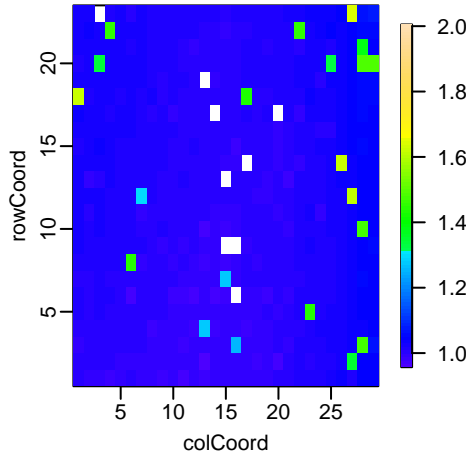


Trait: root_peduncle1_3 – Trial: 202393DVGST_stom

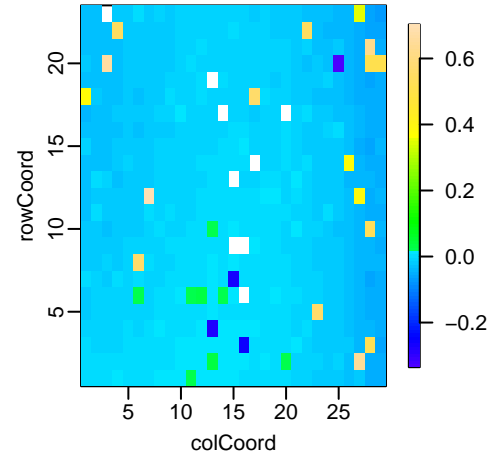
Raw data



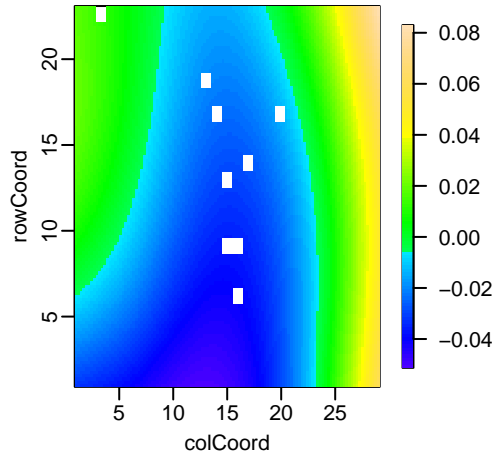
Fitted data



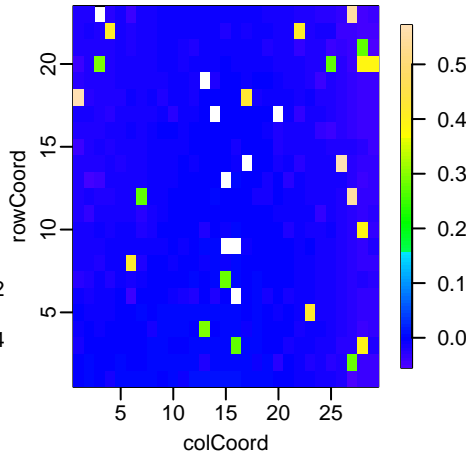
Residuals



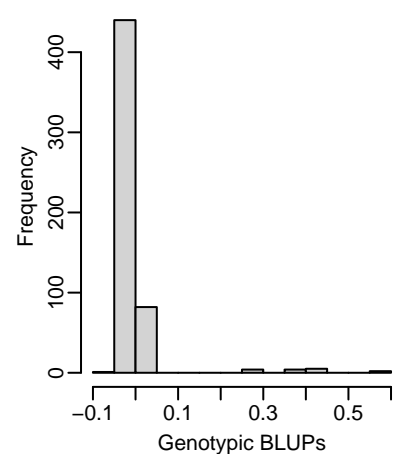
Fitted Spatial Trend



Genotypic BLUPs

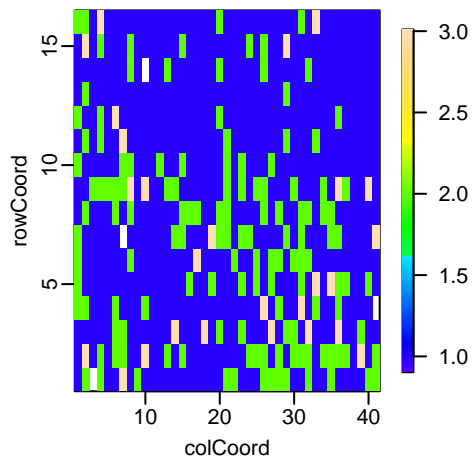


Histogram

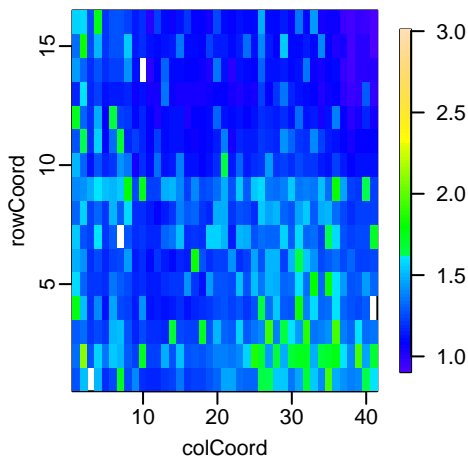


Trait: root_peduncle1_3 – Trial: 202394DVGST_momi

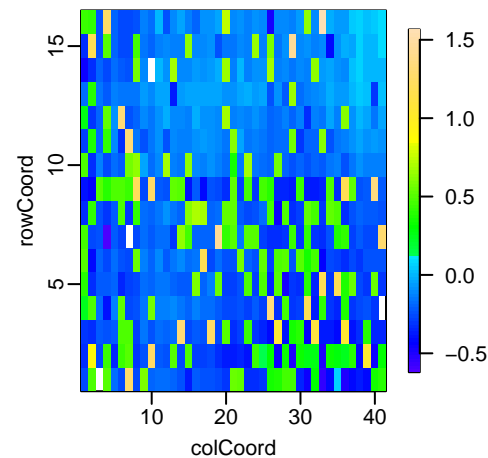
Raw data



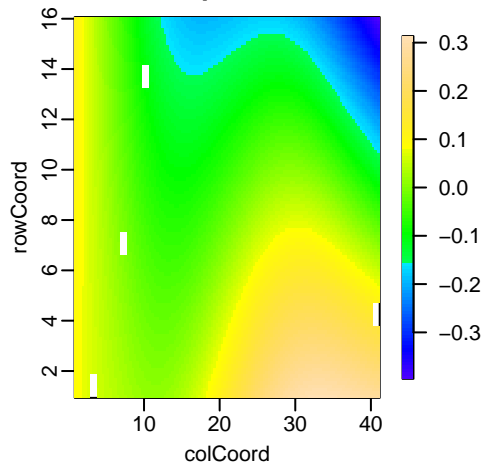
Fitted data



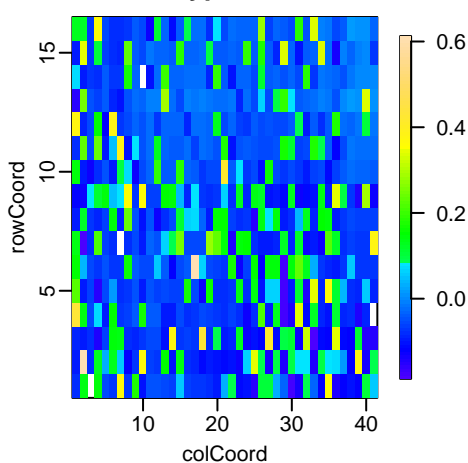
Residuals



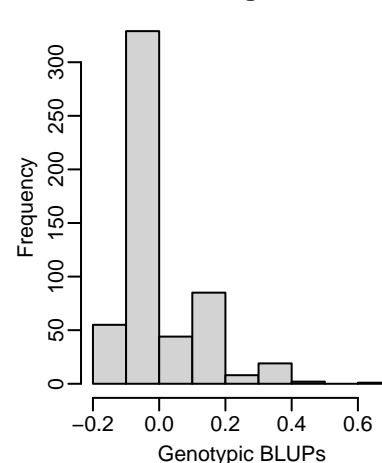
Fitted Spatial Trend



Genotypic BLUPs

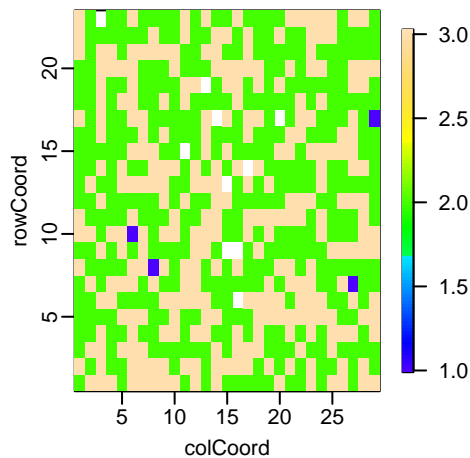


Histogram

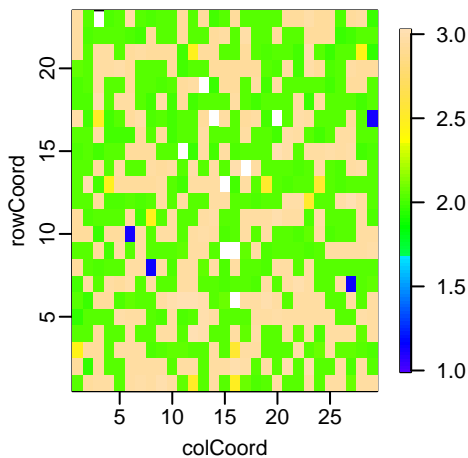


Trait: root_shape1_6 – Trial: 202393DVGST_stom

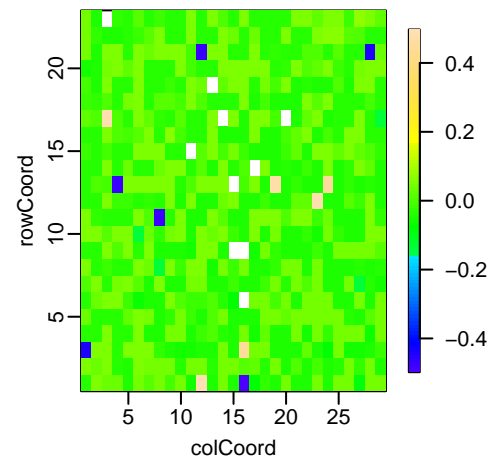
Raw data



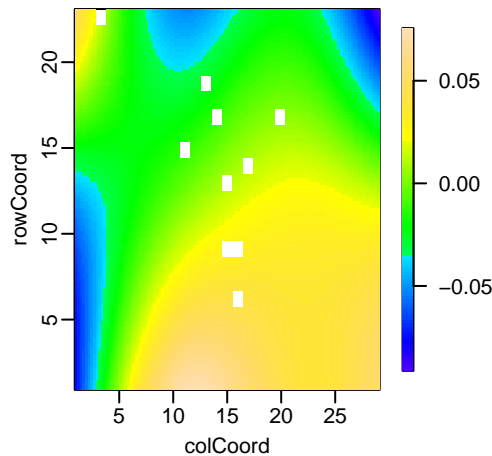
Fitted data



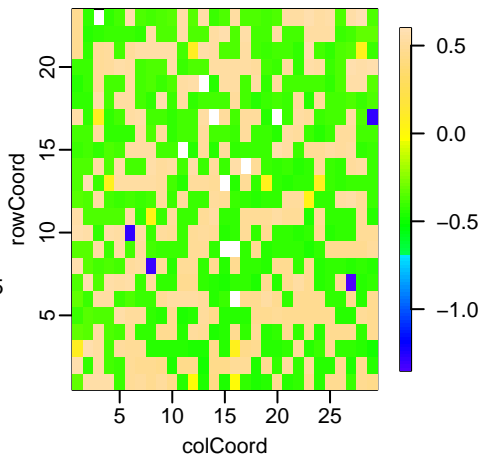
Residuals



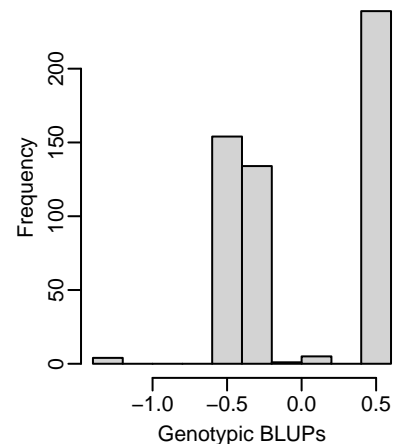
Fitted Spatial Trend



Genotypic BLUPs

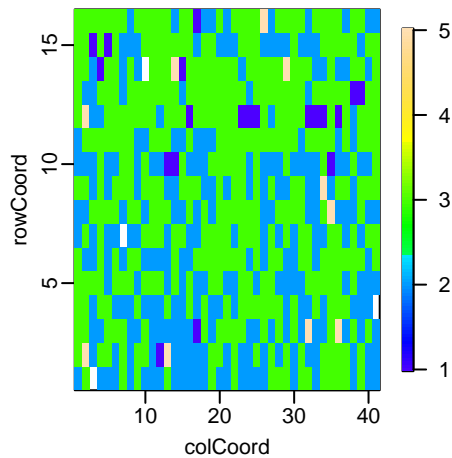


Histogram

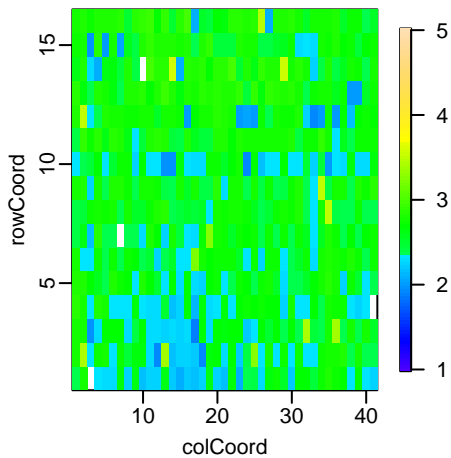


Trait: root_shape1_6 – Trial: 202394DVGST_momi

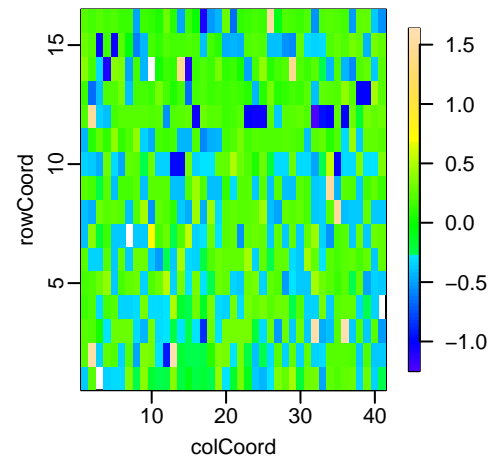
Raw data



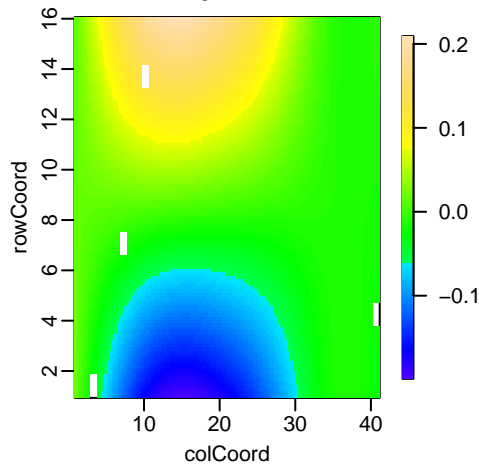
Fitted data



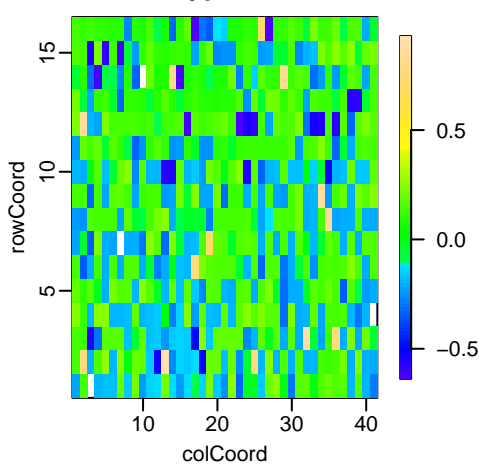
Residuals



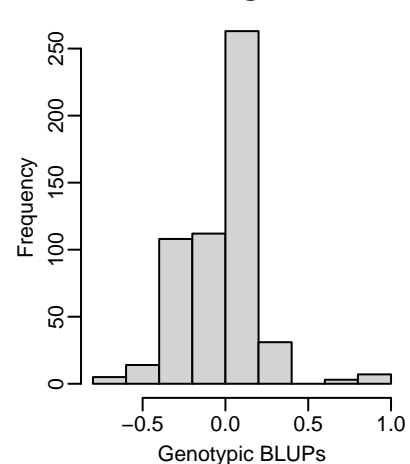
Fitted Spatial Trend



Genotypic BLUPs

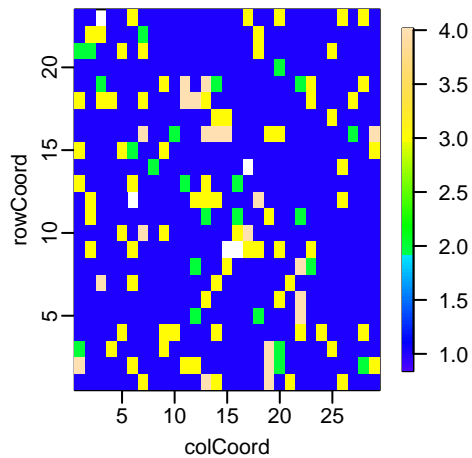


Histogram

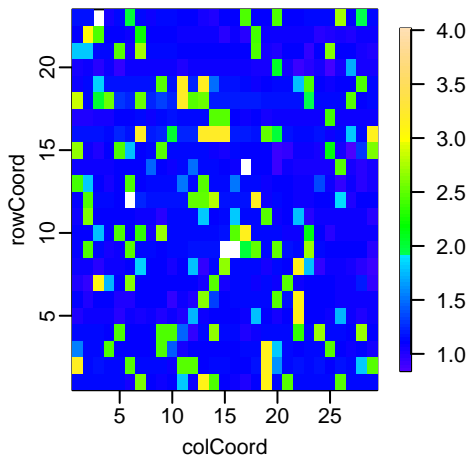


Trait: thrips1_5 – Trial: 202393DVGST_stom

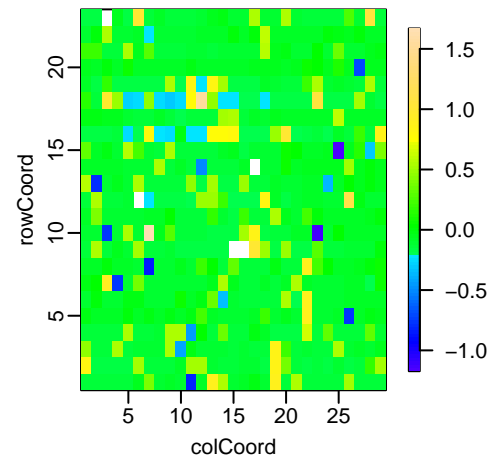
Raw data



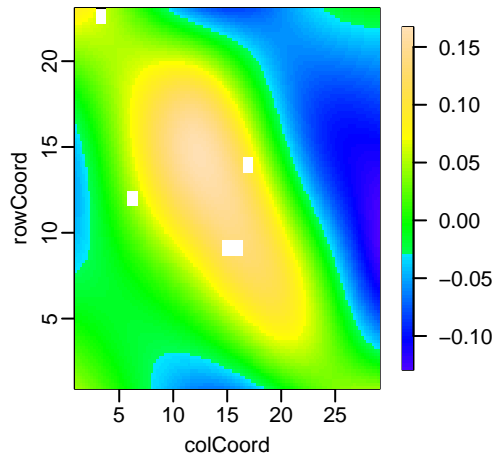
Fitted data



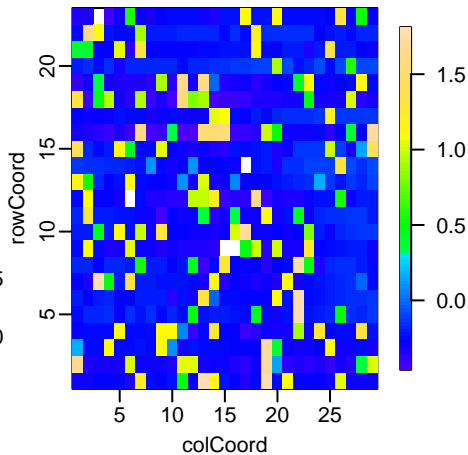
Residuals



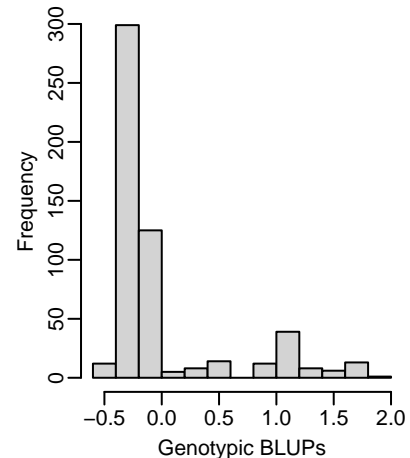
Fitted Spatial Trend



Genotypic BLUPs

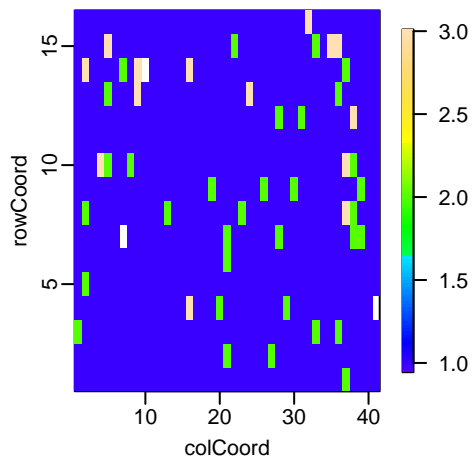


Histogram

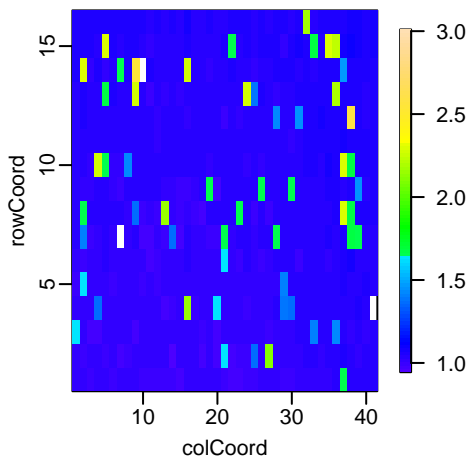


Trait: thrips1_5 – Trial: 202394DVGST_momi

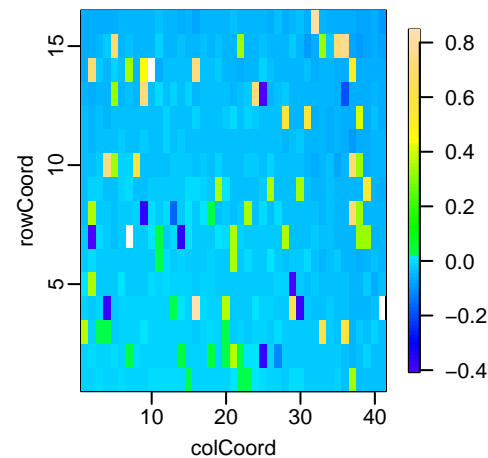
Raw data



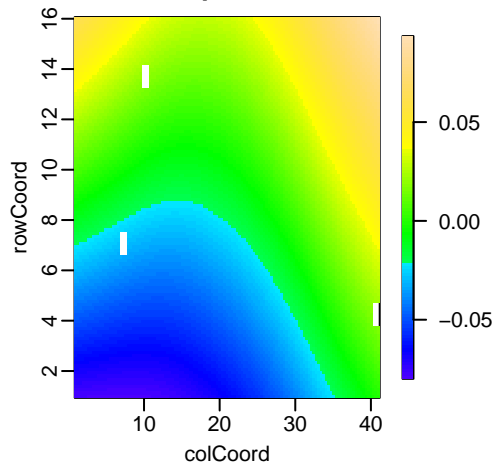
Fitted data



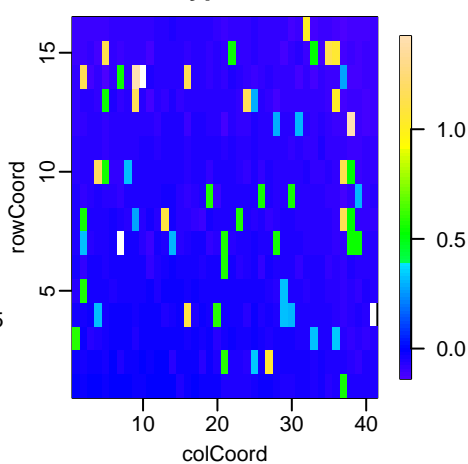
Residuals



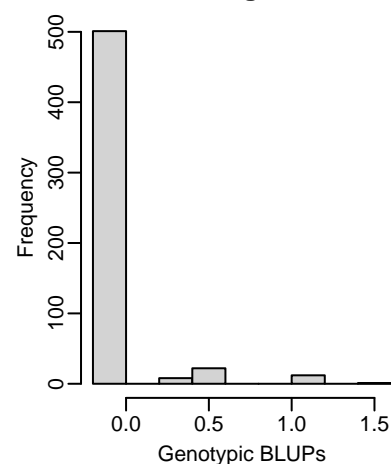
Fitted Spatial Trend



Genotypic BLUPs

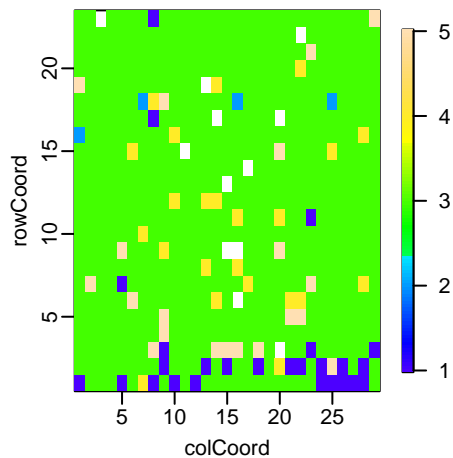


Histogram

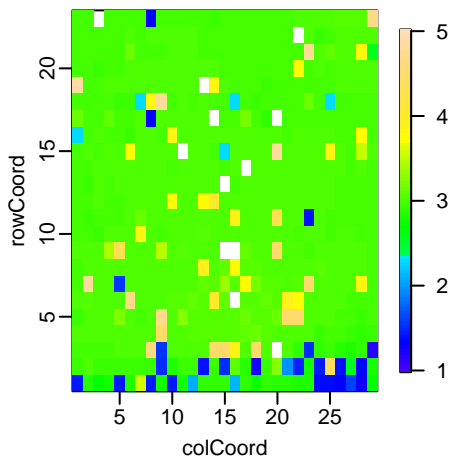


Trait: carotenoid1_8 – Trial: 202393DVGST_stom

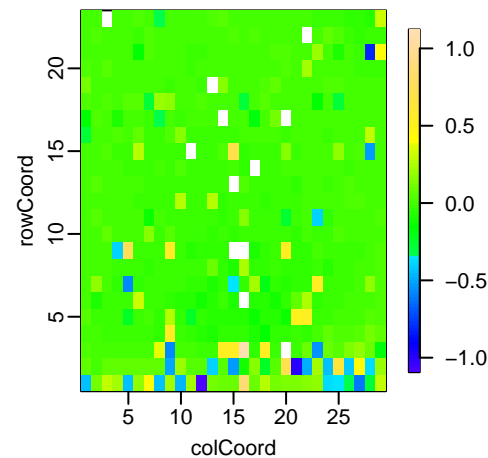
Raw data



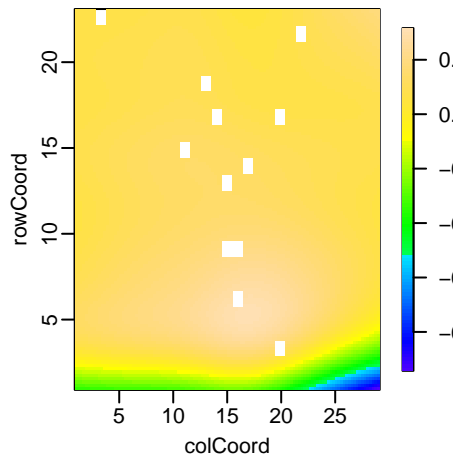
Fitted data



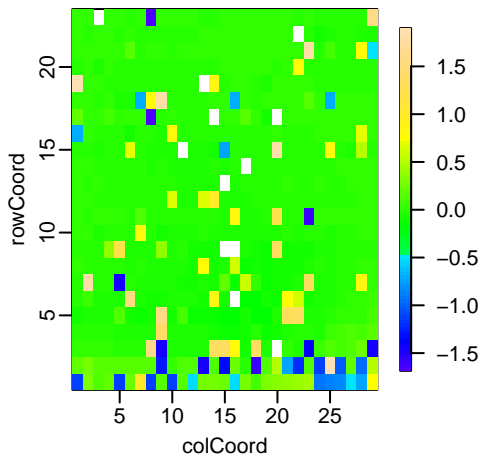
Residuals



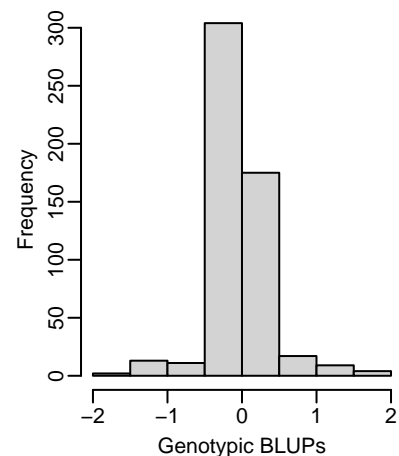
Fitted Spatial Trend



Genotypic BLUPs

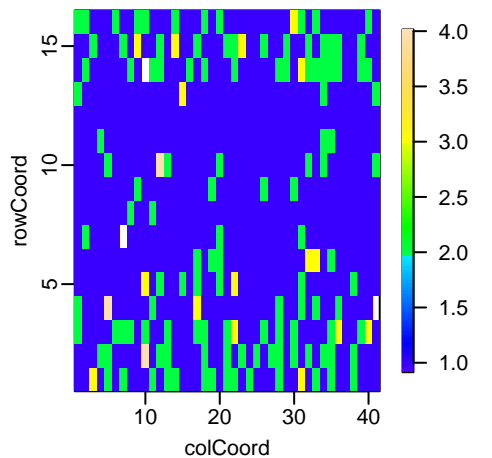


Histogram

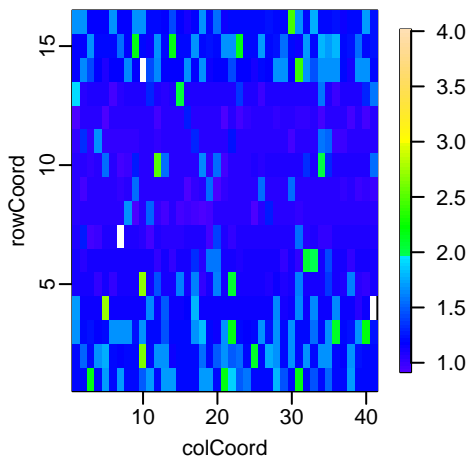


Trait: carotenoid1_8 – Trial: 202394DVGST_momi

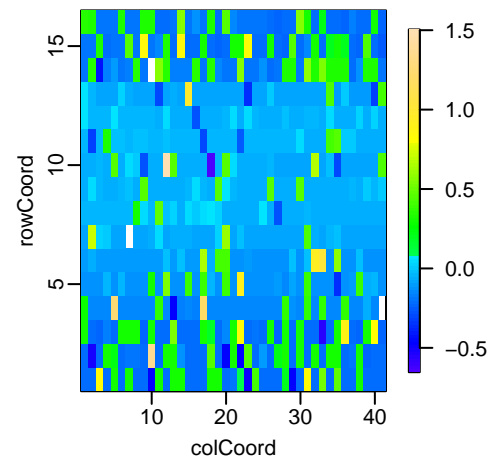
Raw data



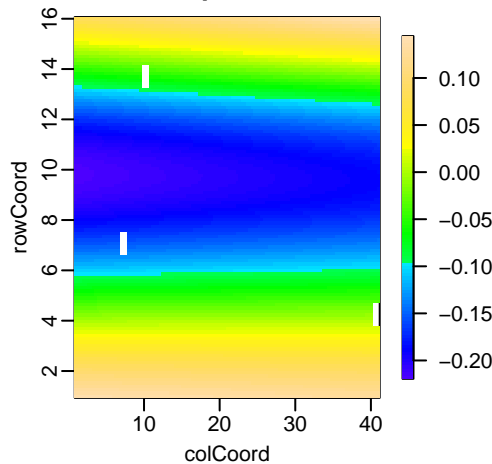
Fitted data



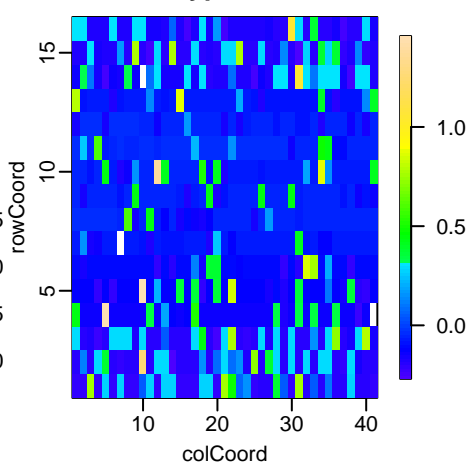
Residuals



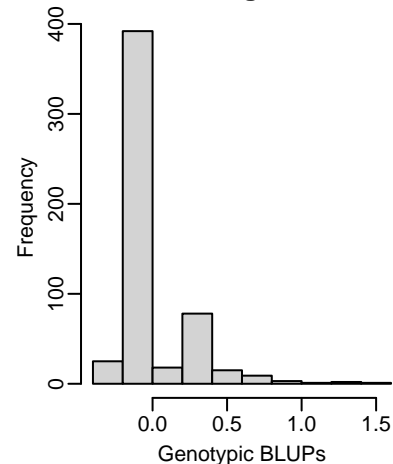
Fitted Spatial Trend



Genotypic BLUPs

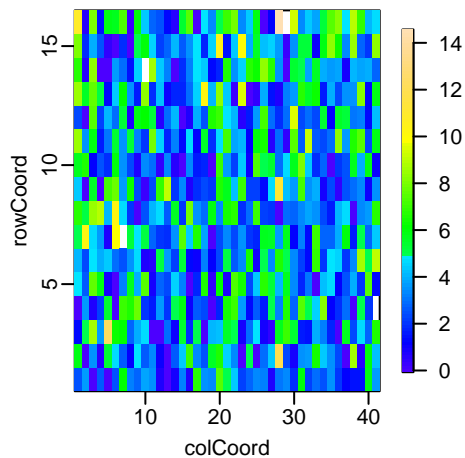


Histogram

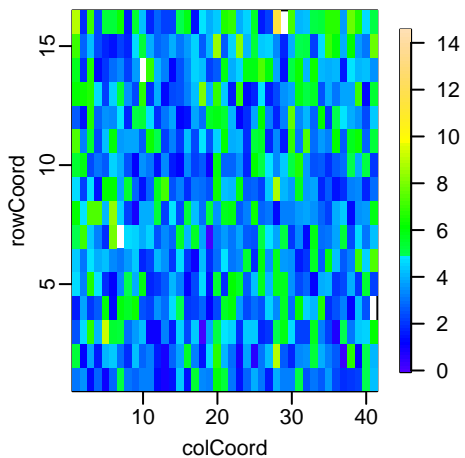


Trait: root_weight_commercial – Trial: 202394DVGST_momi

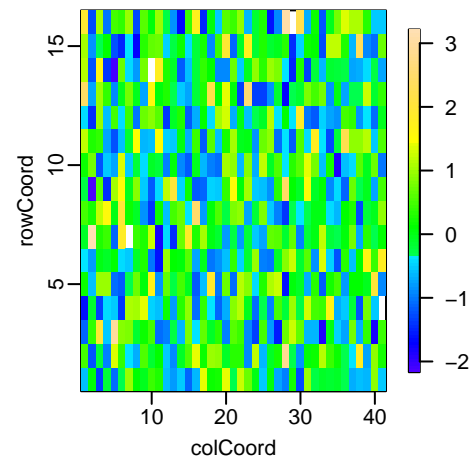
Raw data



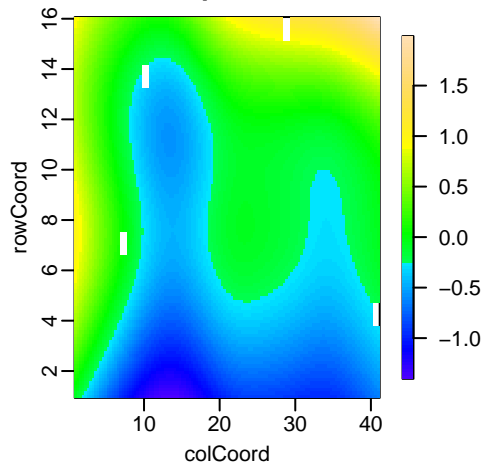
Fitted data



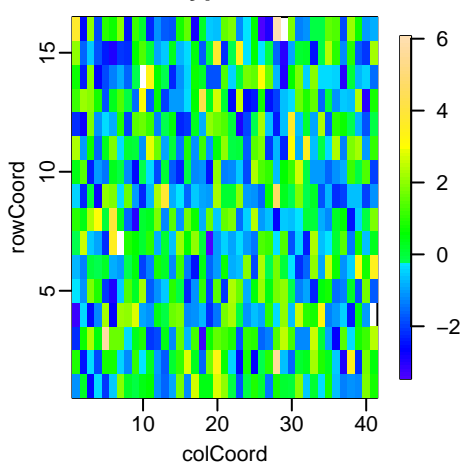
Residuals



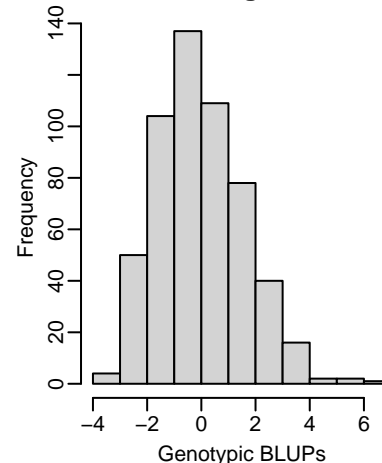
Fitted Spatial Trend



Genotypic BLUPs

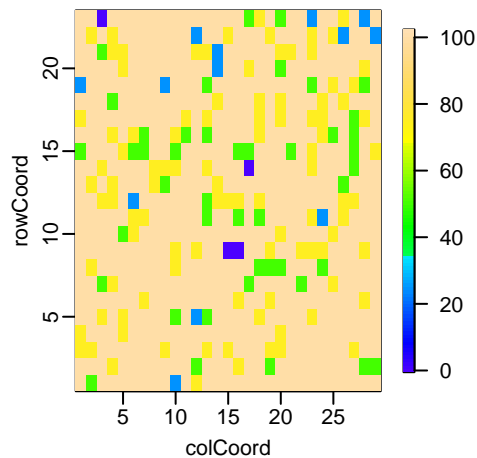


Histogram

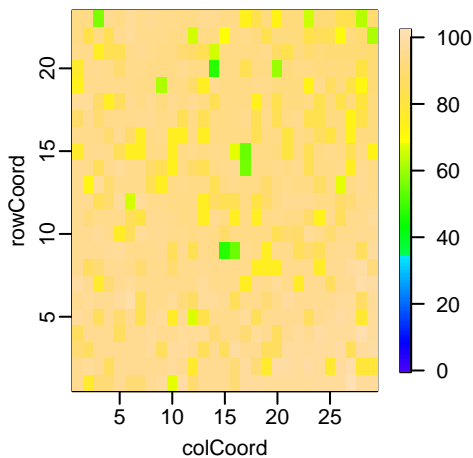


Trait: germination_perc – Trial: 202393DVGST_stom

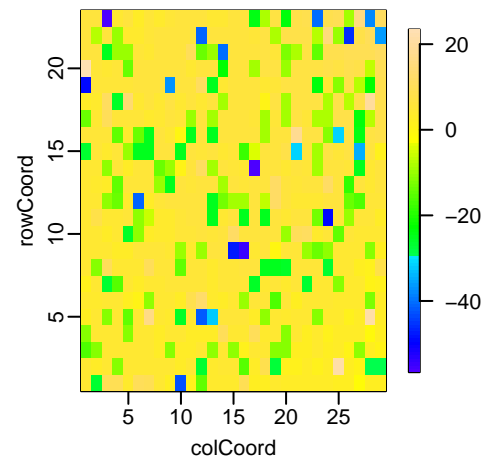
Raw data



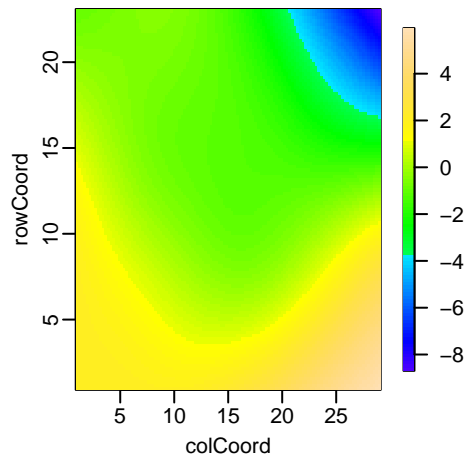
Fitted data



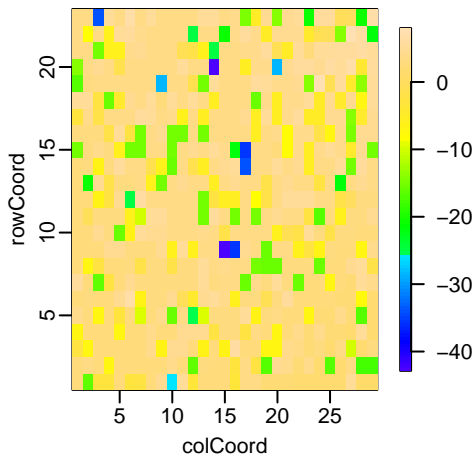
Residuals



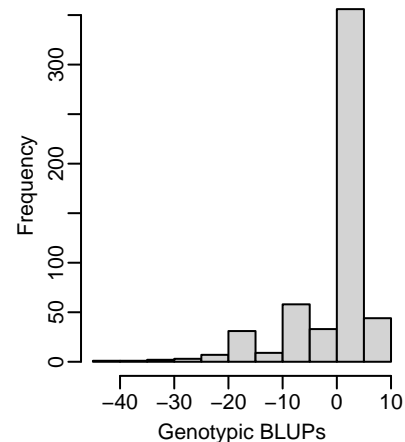
Fitted Spatial Trend



Genotypic BLUPs

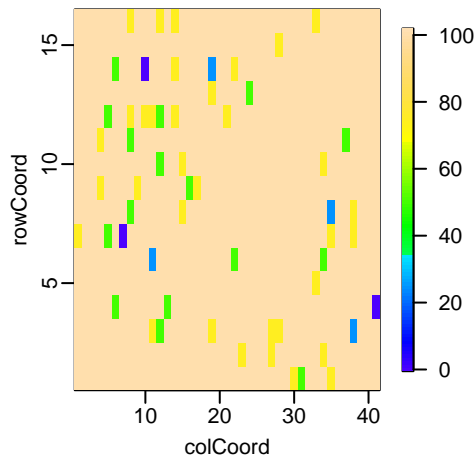


Histogram

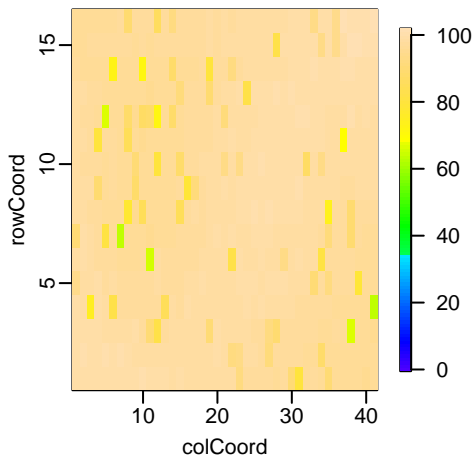


Trait: germination_perc – Trial: 202394DVGST_momi

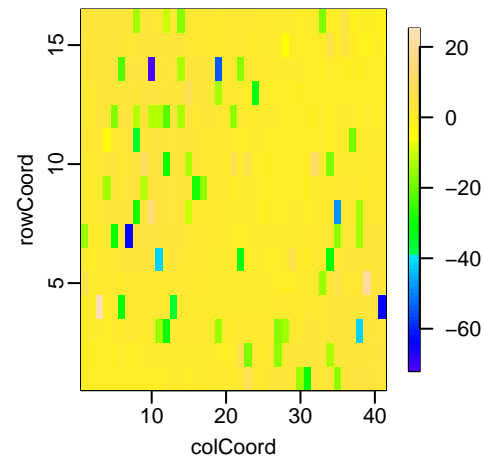
Raw data



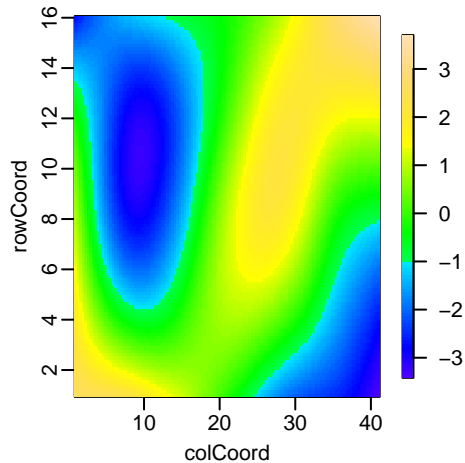
Fitted data



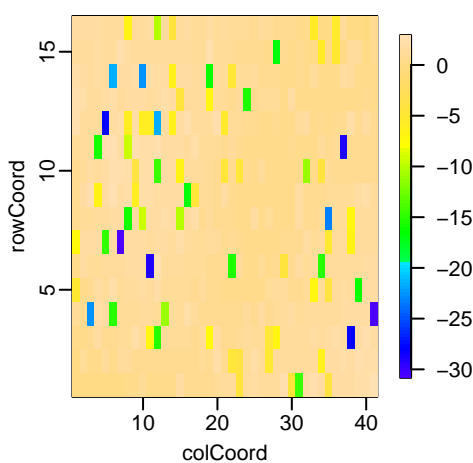
Residuals



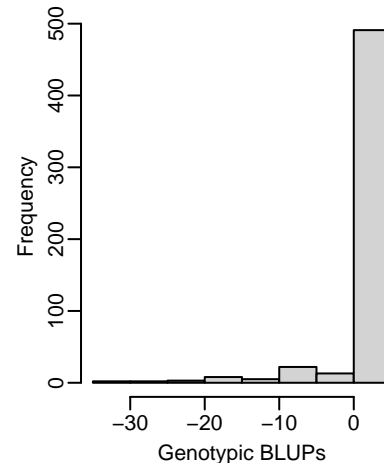
Fitted Spatial Trend



Genotypic BLUPs

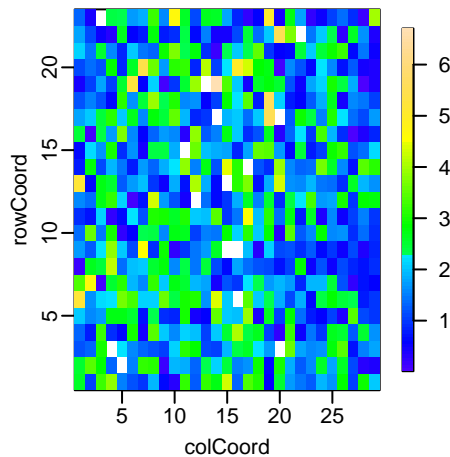


Histogram

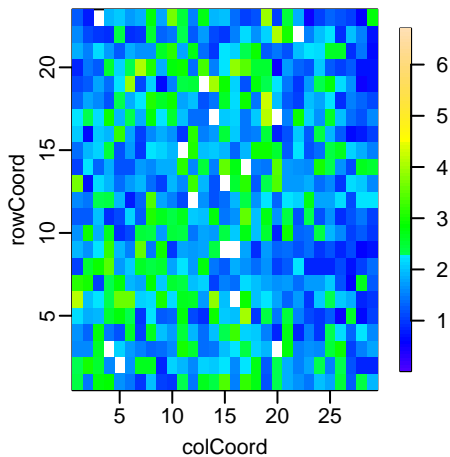


Trait: DM_yield_ha – Trial: 202393DVGST_stom

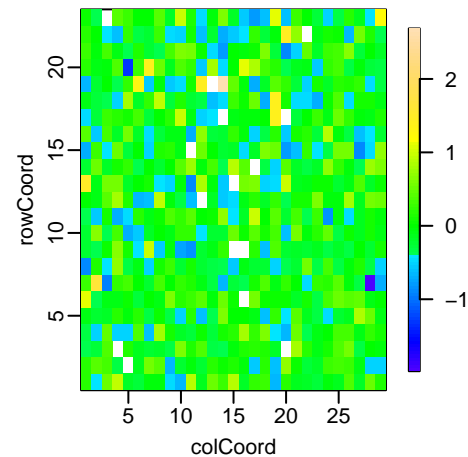
Raw data



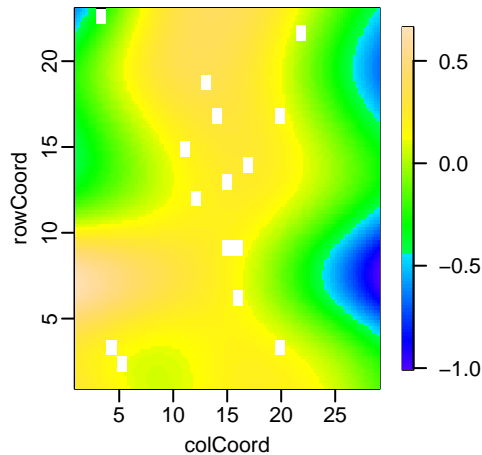
Fitted data



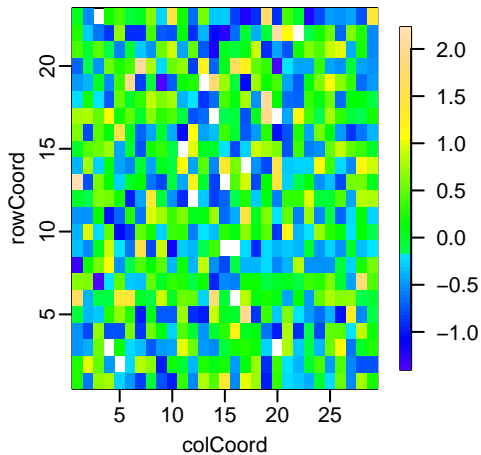
Residuals



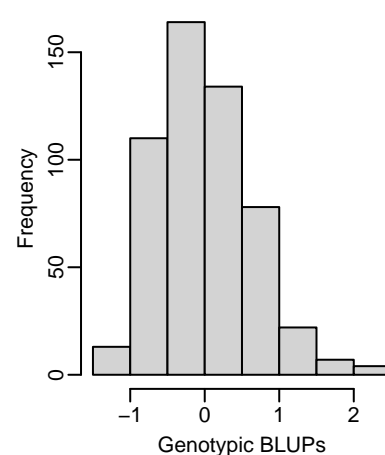
Fitted Spatial Trend



Genotypic BLUPs

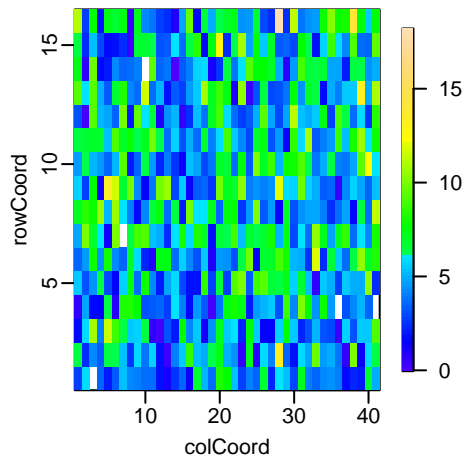


Histogram

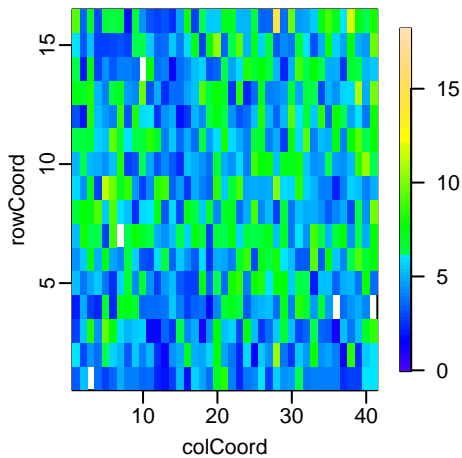


Trait: DM_yield_ha – Trial: 202394DVGST_momi

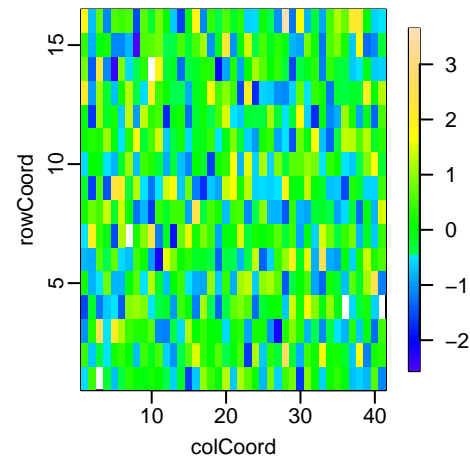
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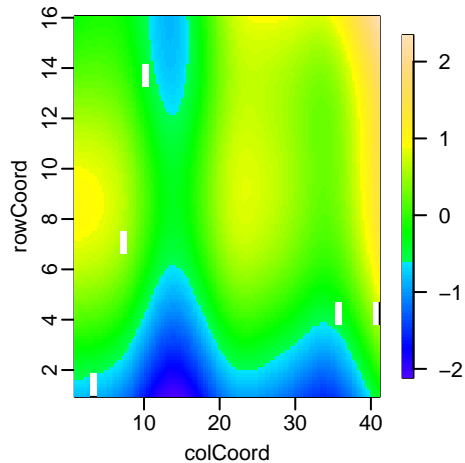
Fitted data



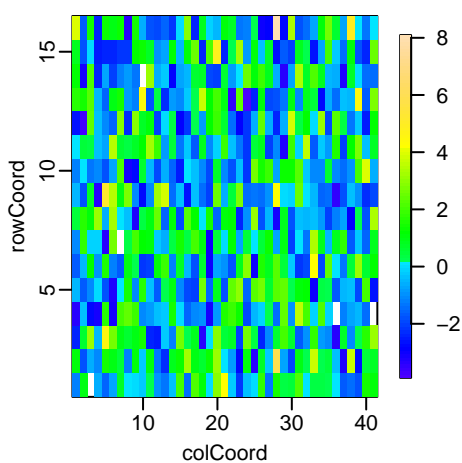
Residuals



Fitted Spatial Trend



Genotypic BLUPs



Histogram

