

S2 File

Semantics used to infer regulatory networks from wheat –omics data

QNS1: Discover rules between highly abundant molecules and N/S supply or development phase.

FINDRULES

SCOPE *t1* IN Omic_data

HAVING high : *t1*.ATT > 0.5 OVER ALL MINUS sample, Nitrogen, Sulfur, Phase_1, Phase_2, Phase_3

AND NoNitrogen : *t1*.ATT = 0 OVER Nitrogen

AND Nitrogen : *t1*.ATT = 15 OVER Nitrogen

AND NoSulfur : *t1*.ATT = 0.2 OVER Sulfur

AND Sulfur: *t1*.ATT = 2 OVER Sulfur

AND Cellularization : *t1*.ATT = 1 OVER Phase_1

AND Storage : *t1*.ATT = 1 OVER Phase_2

AND Senescence : *t1*.ATT = 1 OVER Phase_3;

QNS2: Discover rules between not abundant molecules and N/S supply or development phase.

FINDRULES

SCOPE *t1* IN Omic_data

HAVING high : *t1*.ATT < -0.5 OVER ALL MINUS sample, Nitrogen, Sulfur, Phase_1, Phase_2, Phase_3

AND NoNitrogen : *t1*.ATT = 0 OVER Nitrogen

AND Nitrogen : *t1*.ATT=15 OVER Nitrogen

AND NoSulfur : *t1*.ATT = 0.2 OVER Sulfur

AND Sulfur: *t1*.ATT = 2 OVER Sulfur

AND Cellularization : *t1*.ATT = 1 OVER Phase_1

AND Storage : *t1*.ATT = 1 OVER Phase_2

AND Senescence : *t1*.ATT = 1 OVER Phase_3;
