

Day One Summary

- Decision tree has evolved into weight-of-evidence approach, still missing suggested proven, validated method
- EPA has funded some interesting proposals in the allergenicity field
- Separate data from analysis functions for use a semantic web approach to allergen databases
- Need large scale modeling of allergens, IgE binding correlates with PD values

Day One Summary Continued

- FASTA of entire sequence preferable over sliding window approach
Consideration of E score important, critical threshold $4.2E-7$
- More variability found across germplasm backgrounds than within group, large study has been initiated with 27 genotypes, 3 locations, 2 planting dates
- Proteomic techniques complementary to tilling studies for crop design
- Proteomic techniques may be quite useful in monitoring endogenous allergens