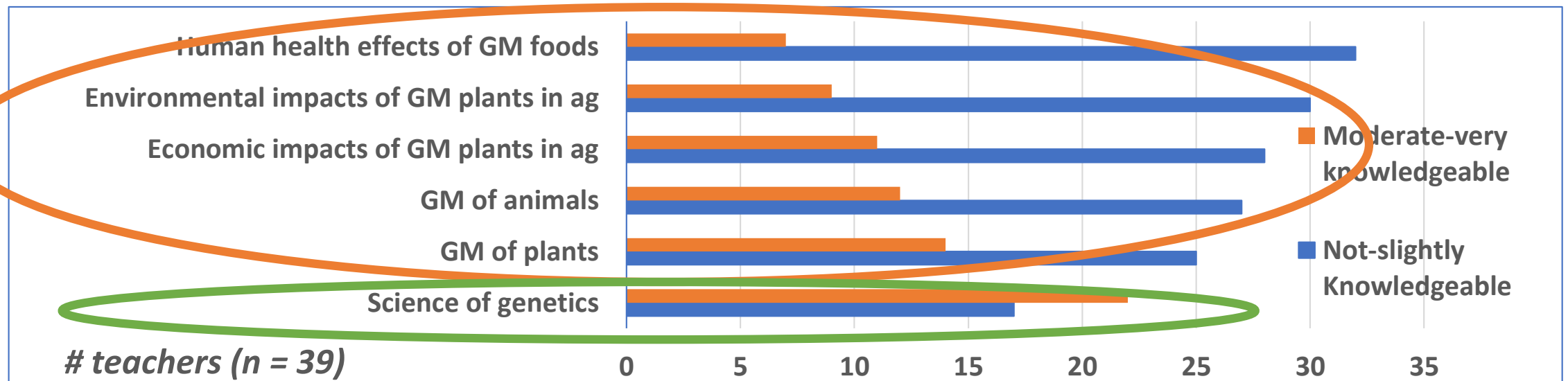


Education and Social Science Efforts: GWAS/Phenomics to Identify Genes Affecting Plant Regeneration and Transformation in Poplar

- Target audience: SMILE program, composed of middle and high school students from rural and underserved communities in Oregon (44% hispanic, 32% low socioeconomic white, 11% multi-racial, 8% native American)
- Proposed: Research then curricula for teaching GE literacy & cognitive awareness thereof, plus two bio/social & hands-on case studies (RR soy, Innate potatoes)
- The reality: Surveys show lack of GE crop/food science literacy by teachers and students, little awareness of GMO issue, low competency for processing online information



- Revised curricula: Focus on critical thinking skills online and beyond, then crop genetics basics, then GE case studies in relation to these