

TABLE 1. NRSP-8 BUDGET REQUEST FEDERAL FISCAL YEAR (FFY) 2019-2023

Coordination group	FFY 2019	FFY 2020	FFY 2021	FFY 2022	FFY 2023
Aquaculture	\$65,000.00	\$65,000.00	\$65,000.00	\$65,000.00	\$65,000.00
Cattle	\$65,000.00	\$65,000.00	\$65,000.00	\$65,000.00	\$65,000.00
Horse	\$65,000.00	\$65,000.00	\$65,000.00	\$65,000.00	\$65,000.00
Poultry	\$65,000.00	\$65,000.00	\$65,000.00	\$65,000.00	\$65,000.00
Sheep/goat	\$65,000.00	\$65,000.00	\$65,000.00	\$65,000.00	\$65,000.00
Swine	\$65,000.00	\$65,000.00	\$65,000.00	\$65,000.00	\$65,000.00
Bioinformatics	\$110,000.00	\$110,000.00	\$110,000.00	\$110,000.00	\$110,000.00
Total	\$500,000.00	\$500,000.00	\$500,000.00	\$500,000.00	\$500,000.00

EXAMPLES OF PAST COORDINATOR EXPENSES

Year	2013	2014	2015	2016
Aquaculture	Improving the Rainbow Trout Genome Assembly using MolecuLo Technology	Resource coordination workshops focused on oysters and other shellfish	Speaker Travel Awards (4 Students to PAG)	Functional Annotation of All Salmonid Genomes (FAASG) Workshop
Cattle	Support in the development of the cattle (Dominette) Optical Map; Dominette Illumina sequencing; PAG Awards and travel	Development of the new cattle (Dominette) reference assembly: PacBio genomic sequencing; PAG Awards and travel.	Development of the new cattle (Dominette) reference assembly: PacBio genomic and IsoSeq sequencing, Bioinformatics analysis, Dovetail Chicago Library; FAANG cattle purchase support; PAG Awards and travel.	Development of the new cattle (Dominette) reference assembly: PacBio IsoSeq sequencing, Illumina sequencing, Dovetail HiC library; PAG Awards and travel.
Horse	Student travel to PAG; Website development; SNP Chip development	Student travel to PAG; matching funds for SNP chip development	Student travel to PAG; Matching funds for FAANG-related activities	Student travel to PAG; Matching funds for reference genome work
Poultry	Student travel to PAG; infrastructure/staff support of genetic lines and well-characterized phenotypes & physiological studies	Student travel to PAG; infrastructure/staff support of genetic lines and well-characterized phenotypes & physiological studies	Support to Warren/Cheng/Brown leveraging USDA & stakeholder funding to improve the chicken genome assembly (SNP genotyping)	Improving the chicken genome draft sequence by PacBio sequencing (Washington Univ, Warren)
Sheep/goat	Contribution to the sheep reference genome assembly, Support NRSP8 member and student travel to NRSP8, ISGC, IGGC meetings	Purchase HD genotyping chips for sheep projects, Contribution to improved sheep reference genome, Support NRSP8 member and student travel to NRSP8, ISGC, IGGC meetings	Purchase HD genotyping chips for sheep projects, Contribution to improved sheep, Support NRSP8 member and student travel to NRSP8, ISGC, IGGC meetings reference genome	Purchase of reagents and supplies for sample collection to enable FAANG sheep genome annotation, Support NRSP8 member and student travel to NRSP8, ISGC, IGGC meetings
Swine	Travel: Jorgenson Travel Award winner, Workshop speakers, new Subcommittee members. Support for PEDV genotyping project and FAANG pilot project	Travel: Workshop speakers. Validation of Affymetrix 650K Genotyping chip	Support for Multi-station research project on Iso-seq analysis.	Support for Multi-station FAANG research, and bioinformatics support staff
Bioinformatics	PRRS Host Genome Consortium (PHGC) Database https://www.animalgenome.org/lunney/	Bioinformatics support for Epigenetics Group (multiple species)	Striped Bass Genome Database (https://www.animalgenome.org/bioinfo/services/)	Support for Functional Annotation of Animal Genomes https://www.faang.org/