

Supplementary Table 2. Leverage in-kind; Institutional salary support, indirect costs, other institutional costs, value of feed analyses, travel, and publications costs

Description	FY2021	FY2022	FY2023	FY2024	FY2025	5 Yr Totals
Salaries ^a						
Committee members (SY)	\$330,000	\$336,600	\$343,332	\$350,199	\$357,203	\$1,717,333
Technical support (TY)	\$90,000	\$91,800	\$93,636	\$95,509	\$97,419	\$468,364
Administrative support	\$67,500	\$68,850	\$70,227	\$71,632	\$73,064	\$351,273
Fringe benefits	\$97,500	\$99,450	\$101,439	\$103,468	\$105,537	\$507,394
Institutional indirect cost	\$146,250	\$149,175	\$152,159	\$155,202	\$158,306	\$761,091
Institutional support ^b						
Coordinating Animal Nutrition Committee	\$73,000	\$73,000	\$73,000	\$73,000	\$73,000	\$365,000
Feed and Ingredient Composition Committee	\$73,000	\$73,000	\$73,000	\$73,000	\$73,000	\$365,000
Modeling Committee	\$73,000	\$73,000	\$73,000	\$73,000	\$73,000	\$365,000
Feed analysis and ingredient composition ^c	\$6,000,00	\$6,000,00	\$6,000,00	\$6,000,00	\$6,000,00	\$30,000,00
	0	0	0	0	0	0
Travel ^d	\$15,000	\$15,000	\$15,000	\$15,000	\$15,000	\$75,000
Publications ^e	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000	\$25,000
Total	\$6,970,25	\$6,984,87	\$6,999,79	\$7,015,00	\$7,030,52	\$35,000,45
	0	5	3	8	9	4

^aInstitutional salary support contributions calculated at 0.10 FTE per committee member (30 committee members) with an average salary of \$110,000/year. Technical support is calculated as 0.10 FTE for 20 technicians supporting scientists on the project and an average technical salary of \$45,000/year. Administrative support is calculated as 0.05 (FTE) per year for 30 committee members with an average administrative salary of \$45,000/year. Institutional indirect costs were calculated as 25% of salaries + fringes. Fringe benefits were calculated as 20% of salary. A 2% cost of living adjustment has been included across all years.

^bIn-kind institutional support includes support from public institutions and private industry, which includes but is not limited to: products, supplies, and equipment (furniture, computers, and office equipment), professional and employee expertise (graphic arts/design, writing/advertising/promotion/marketing, legal assistance, business and financial advice, and strategic planning), and other non-specified in-kind support.

^cEstimated as the value of an additional 200,000 feed analyses added to the database per year at \$30/sample.

^dTravel in-kind support was calculated as 30 scientists as \$500/year for each scientist. Funding sources will vary but include institutional and industry contributions.

^ePublication in-kind support consists of anticipated industry and professional society support for publications.

Supplementary Table 3. Leverage, Anticipated grant support

Description	FY2021	FY2022	FY2023	FY2024	FY2025	5 Yr Totals
Grant description						
Postdoctoral grants ^a	\$0	\$0	\$125,000	\$250,000	\$125,000	\$500,000
Conference grants and symposium leveraging ^b	\$30,000	\$30,000	\$30,000	\$30,000	\$30,000	\$150,000
Research Grants ^c	\$120,000	\$180,000	\$210,000	\$180,000	\$120,000	\$810,000
Total	\$150,000	\$210,000	\$365,000	\$460,000	\$275,000	\$1,460,000

^aPostdoctorals hired onto the project will be encouraged and assisted to write postdoctoral fellowship grants for two years of salary funding, travel, publication, and a small amount of operating expenses. This effort will accomplish professional development for the postdoctoral fellow, fund leveraging for the grant, and labor pool multiplication. When postdocs are funded by grants, NRSP-9 funds will be used to hire an additional postdoc. Consequently, we plan to leverage 2 postdoc positions into 4.

^bAs symposiums at conferences are a key component of NRSP-9 activities, funds will be actively recruited to support these activities. The \$30,000 per year represents \$20,000 in funded grants annually and another \$10,000 in direct support from co-sponsoring professional societies and professional organizations.

^cThese funds represent extramural grant funds secured by members of the NRSP-9 team. These are funds that support research into key NRSP-9 areas and are led by NRSP-9 team members. There are currently 30 NRSP-9 scientists on the team and the leveraged dollar estimate is likely low. Accurate records will be maintained on this type of leveraging and reported annually.

Supplementary Table 4. Total projected NRSP-9 budget including direct and leveraged funds

Description	FY2021	FY2022	FY2023	FY2024	FY2025	5 Yr Totals
Requested NRSP-9 direct funds (from Table 1):	\$253,000	\$253,000	\$253,000	\$253,000	\$253,000	\$1,265,000
Anticipated leveraged in kind support (from Table 2):	\$6,970,250	\$6,984,875	\$6,999,793	\$7,015,008	\$7,030,529	\$35,000,454
Anticipated leveraged grant dollars (from Table 3):	\$150,000	\$210,000	\$365,000	\$460,000	\$275,000	\$1,460,000
Total projected NRSP-9 budget from all sources:	\$7,373,250	\$7,447,875	\$7,617,793	\$7,728,008	\$7,558,529	\$37,725,454