

TABLE I  
Selected High Priority Tools and Reagents for NAGRP Species Committees\*

Committee:	Swine	Bovine	Ovine	Poultry	Equine	Aquaculture
sequence status:	Draft Sequence To be initiated fall 2005	6X draft	none	6.6X draft of chicken	none	none (related model organisms)
Sequence and Map Needs:	Sequence completion and annotation	Sequence annotation (some finishing)	Skim sequence, comparative mapping	Additional annotation (finishing or “pre-finishing”)	Skim sequence, comparative mapping	Skim sequences, comparative mapping
Other tools:	SNP resources	SNP resources	SNP resources	SNP resources	SNP resources	BAC-based fingerprinting
Other tools:	Bioinformatics	Functional genomics, especially cell lines for RNAi, etc.	Bioinformatics	Bioinformatics	Bioinformatics	Linkage/physical map integration
Other tools:	Functional genomics	Bioinformatics	Functional genomics	Functional genomics	Functional genomics	Microarray development and application
**Other species covered			**Goats	**Turkey, perhaps others		**wide variety of species

\*See text for details

\*\*Some important agricultural species need additional EST data, comparative and/or BAC contig maps, and microarray resources equivalent to what’s already available for species with sequenced or soon-to-be-sequenced genomes. In many cases, such resources can be used, along with the available sequence of a related species, in a cost-effective manner that not only provides critical resources for the unsequenced species (e.g., turkey), but also a valuable comparative reference for the sequenced species (e.g., chicken).