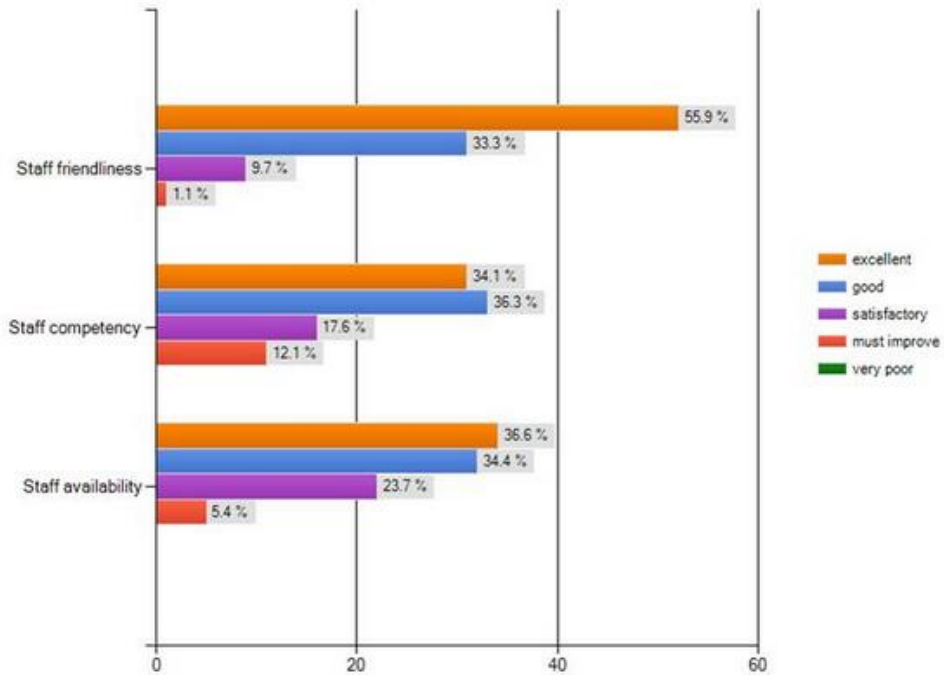


Survey Results October 2012

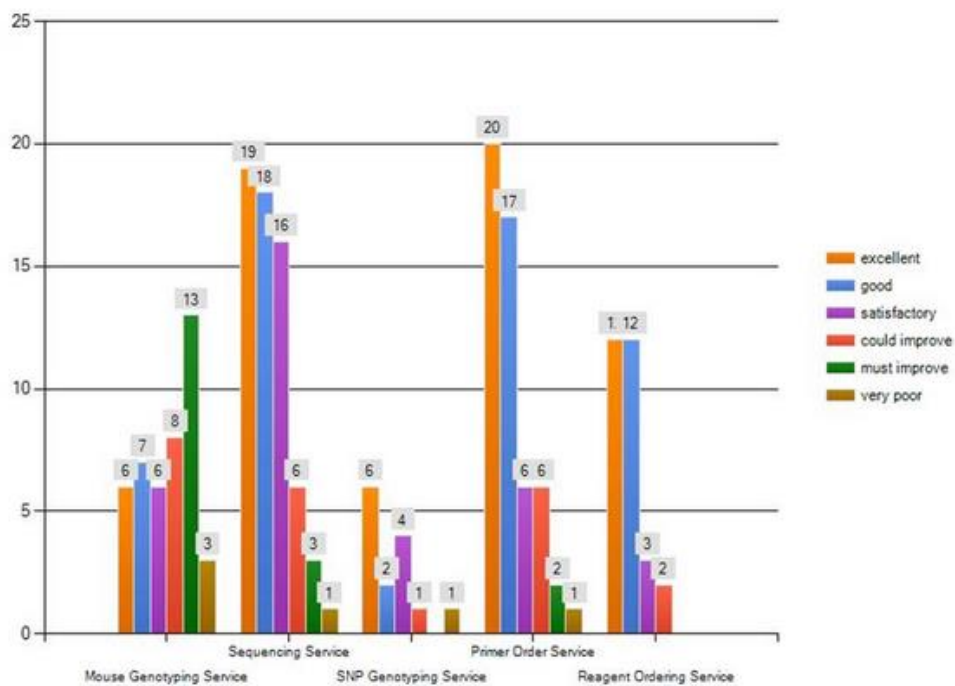
Staff

Please rate the performance of ACRF facility staff

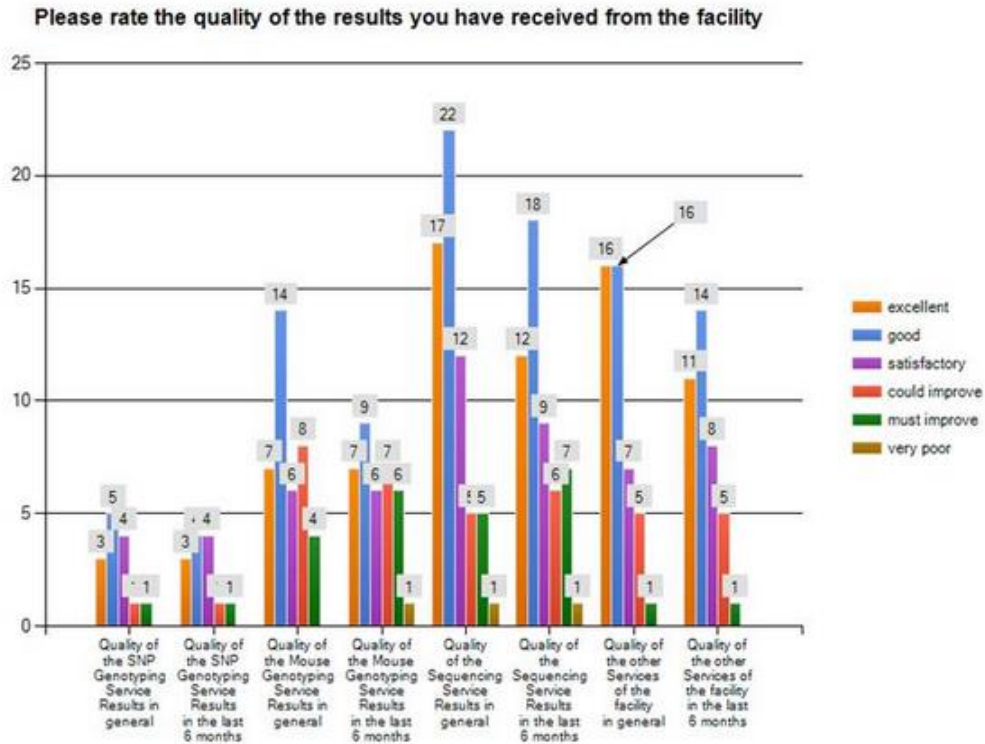


Turnaround Time

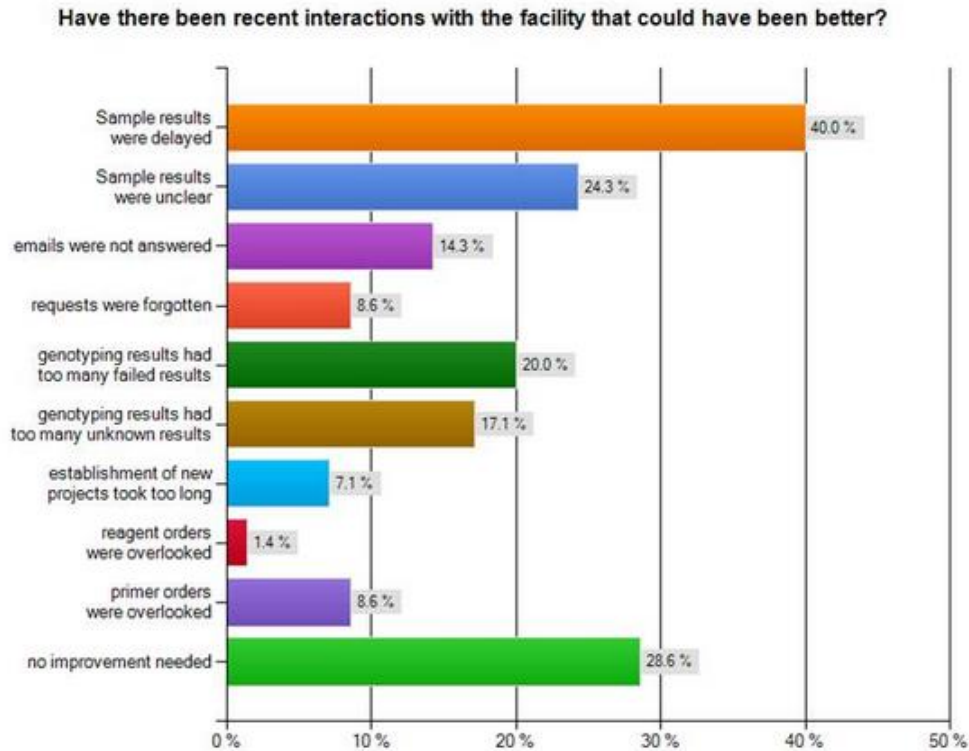
Please rate the turnaround time for our services



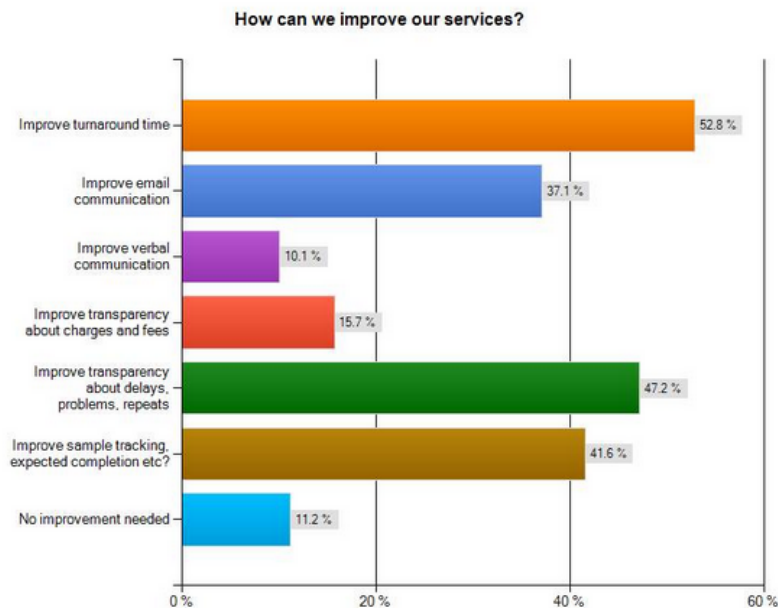
Quality of Results



Recent Issues with us



What could be improved?



Changes at the ACRF facility Oct2012

General

- Staff responsibilities have been restructured so that each staff member has a specific control over one aspect of the workflow: Hiren Sheth = Mouse Genotyping Analyst, Sequenom SNP high throughput Analyst; Dahlia Saroufim = Sequencing Operator & Analyst, Reagent Ordering, Primer Ordering, Instrument Training; Bhargavi Yamasani = Mouse Genotyping Operator, Mouse Genotyping Analyst in training; Kerith Dias, Mouse Genotyping Programmer, Mouse Genotyping Analyst in training.

- Core facility attendance times are 9am to 5pm

- A new Cost Recovery Upload system has been created which should give more details for invoices and contains more information about when a service and what type of service was performed.

Sequencing Service

- The 3100 sequencer has been upgraded to a 3130XL instrument. This enables us to use pop7 polymer rather than pop6. With pop7 the average read length is around 900Bp for plasmids (when 5 to 10ng plasmid was submitted).

- The cleanup method has been changed from ABI Bigdye ExTerminator to Magnetic Bead Particles. This allows higher throughput and cost effectiveness so that sequencing prices will be unchanged in 2013.

- Sequencing sample numbers average currently around 1500samples/month + 200 gene fragment runs.

Mouse Genotyping Service

- The DNA extraction operator and the DNA extraction method at ABR have been exchanged. The DNA extraction method is now magnetic bead based and provides up to 10x more DNA than previously. With this increase in DNA concentration unknown sample results, failed sample results and consequently, repeats of PCRs and/or DNA extraction become less frequent. The effect of this is a faster turnaround time.

- For increase in sample throughput and faster turnaround times the Mouse Genotyping Service had tested an 8 channel liquid handling platform which had to be returned due to problems with the software. The task will be to find a better suitable automation platform to prepare the service for future sample throughput levels.

- The Mouse Genotyping team is working hard to achieve a turnaround time of one week by end of November, we are currently at 1.5 weeks.

- In January Stuart changes are expected to be coming live. These changes will greatly facilitate sample tracking and sample management. The IT dept and the ACRF facility will work jointly to improve the current version of Stuart.

- ABR has approval from the ethics committee for early DNA extraction of selected mice. If genotypes of mice are needed before 4 weeks for certain experiments, please ask Kevin Taylor to arrange for early genotyping, the ACRF facility will prioritize these DNA samples.

