

College of Animal Biotechnology, Guru Angad Dev Veterinary and Animal Sciences University

Performa to be submitted with sealed quotation

Qualifier of microsatellite loci-based simple sequence repeat-length polymorphism (SSR-LP) sequencing services for cattle, buffalo, and dog

Terms and Conditions: The following terms and conditions are being proposed, please drop your comment or suggestion on these points.

1. *No biological sample should be shipped outside the country* in any case.
2. The firm needs to *sign a non-disclosure agreement* (regarding the primer sequence, samples sent and sequenced, the purpose of the whole work, or anything pertinent to this proposal) at the beginning. No information should be shared with any third party without prior approval or consent or request of the indenting institution (i.e. GADVASU).
3. The Dean of the College of Animal Biotechnology reserves the *right to revalidate any result* in case of questionable or unsatisfactory results received.
4. *Rates quoted must be valid up to 3 Years from the date of agreement.* In case prices slash or any other benefit (in form of lesser price/lesser tax/foreign exchange rate etc.) it must be passed on to GADVASU.
5. The service charges must be provided for a minimum of 3 samples considering that the results will be made available in a month. The L1 firm will be selected for the services of SSR length polymorphism.
6. The custom synthesized primers (Twelve 5' fluorescent-labeled (FAM, HEX, TAMRA, etc) primer pairs for dog and 12 pairs for cattle/buffalo) will be provided to the selected firm by the indenting institution (i.e. GADVASU). It will be the responsibility of the firm to maintain the primers safely and properly for three years and then any remaining amount will be returned to the College of Animal Biotechnology at the end of the tenure of agreement.
7. The biological samples (blood / semen / tissue) can be of *any one of the three species:* cattle (*Bos taurus* / *Bos indicus* / Crossbred cattle); Buffalo (*Bubalus bubalis*); and Dog (*Canis lupus familiaris*).
8. The **number of samples to be shipped for SSR-LP** to the firm may vary and we propose to send a minimum of two samples in a single shipping.
9. The microsatellite genotyping sequencing service provider should provide:
 - a. DNA extraction
 - b. Quality checking of DNA
 - c. Plating of samples,
 - d. PCR amplification
 - e. The multiplexing of three primers, hence for each sample, four wells will be occupied.
 - f. Simple sequence repeat length polymorphism sequencing
 - g. Allele typing and length polymorphism result analysis: we need both peak height, the area under the curve, allele typing, etc
10. **Result outputs:** The firm needs to send the results which should include genotyping raw data along with chromatogram files, genotype or allelic information (length/height of the peak of both alleles per loci per sample and allele-typing of the samples), and other relevant files along with allele typing analysis (exclusion efficiency, the accuracy of allele typing, etc).

11. Payment will be made after satisfactory results. The firm will claim the charge for sequencing through official correspondence to the Office of the Dean of the College of Animal Biotechnology.

The performa to be submitted with the sealed quotation:

SN	Queries to Firm	Response by Firm			
1	Do you agree to not ship any biological sample outside the country in any case	<input type="checkbox"/> Yes / <input type="checkbox"/> No			
2	Do you agree to <i>sign a non-disclosure agreement</i> (regarding the primer sequence, samples sent and sequenced, the purpose of the whole work, or anything pertinent to this proposal) at the beginning.	<input type="checkbox"/> Yes / <input type="checkbox"/> No			
3	Do you agree to <i>revalidate / repeat any result</i> in case of questionable or unsatisfactory results received, on demand	<input type="checkbox"/> Yes / <input type="checkbox"/> No			
4	Do you agree to process minimum of 3 samples, given that SSR length polymorphism is to be sequenced for 12 primers that can be used with multiplexing of three primers per well.	<input type="checkbox"/> Yes / <input type="checkbox"/> No			
5	Do you agree to maintain the primers safely and properly for three years and then any residual amount will be returned to the College of Animal Biotechnology at the end of the tenure.	<input type="checkbox"/> Yes / <input type="checkbox"/> No			
6	Do you agree to provide the results within a month of providing the samples (n=3)?	<input type="checkbox"/> Yes / <input type="checkbox"/> No			
7	Quote your cost to sequencing for SSR length polymorphism inclusive of all charges including transportation, DNA extraction, quantity-quality checking, and SSR-LP sequencing with data analysis.	Particulars	Cost	GST	Total
		Three number of samples			
		Additional cost per additional sample			
8	Do you agree to provide the results within a month to sequence the full plate (96 wells)?	<input type="checkbox"/> Yes / <input type="checkbox"/> No			
9	Quote your cost to sequencing the full plate (96 wells) for SSR length polymorphism inclusive of all charges including transportation, DNA extraction, quantity-quality checking, and SSR-LP sequencing with data analysis.	Particulars	Cost	GST	Total
		Full plate			

SN	Queries to Firm	Response by Firm
10	Can the firm assist with any technical/intellectual issues during three years of contract via in-person/online meetings?	<input type="checkbox"/> Yes / <input type="checkbox"/> No
11	Is the firm willing to participate in recorded video conferencing sessions to discuss the proposal in detail?	<input type="checkbox"/> Yes / <input type="checkbox"/> No