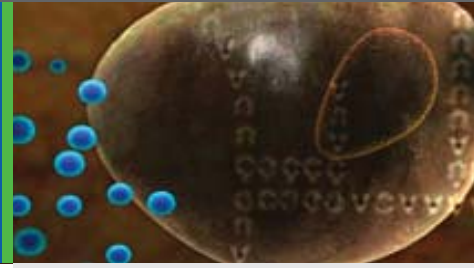


Exosome RNA Next-Gen Sequencing

Complete service from biofluid to sequence analysis



Discover novel exosome RNA biomarkers

Exosomes are 60 - 150 nm membrane vesicles secreted by most cell types in vivo and in vitro. Exosomes are found in blood, urine, amniotic fluid, malignant ascite fluids and contain distinct subsets of microRNAs, mRNAs, lncRNAs and other ncRNAs. The identity and abundance of these RNAs has been shown to be a valuable approach to discover sequence signatures for the diagnosis and prognosis of disease. SBI offers a unique next-generation exosome RNA sequencing service to accelerate your biomarker discoveries. SBI isolates the exosomes from serum, plasma, urine, tissue culture media, or other samples, then purifies the exosome RNA and builds high-quality Illumina NGS bar-coded libraries. The libraries are sequenced through Illumina MiSeq or HiSeq instruments for accurate sequence biomarker identification. All raw data and small RNA sequence analysis are included; additional in-depth sequence analysis through SBI's exosome RNA data analysis pipeline is also available.

Highlights

- Send SBI your serum, urine, media or other samples
- Exosomes are isolated and RNA purified, followed by high-quality NGS library preparation
- Illumina NGS performed using MiSeq or HiSeq instruments
- Receive data back in 2-3 weeks
- In-depth exoRNA data analysis service also available

DISCOVER

Exosome RNA Illumina NGS sequencing and analysis service



SBI

- Isolates exosomes
- Purifies exoRNA
- Makes bar-coded Illumina libraries
- Runs MiSeq/HiSeq
- Performs data analysis

YOU

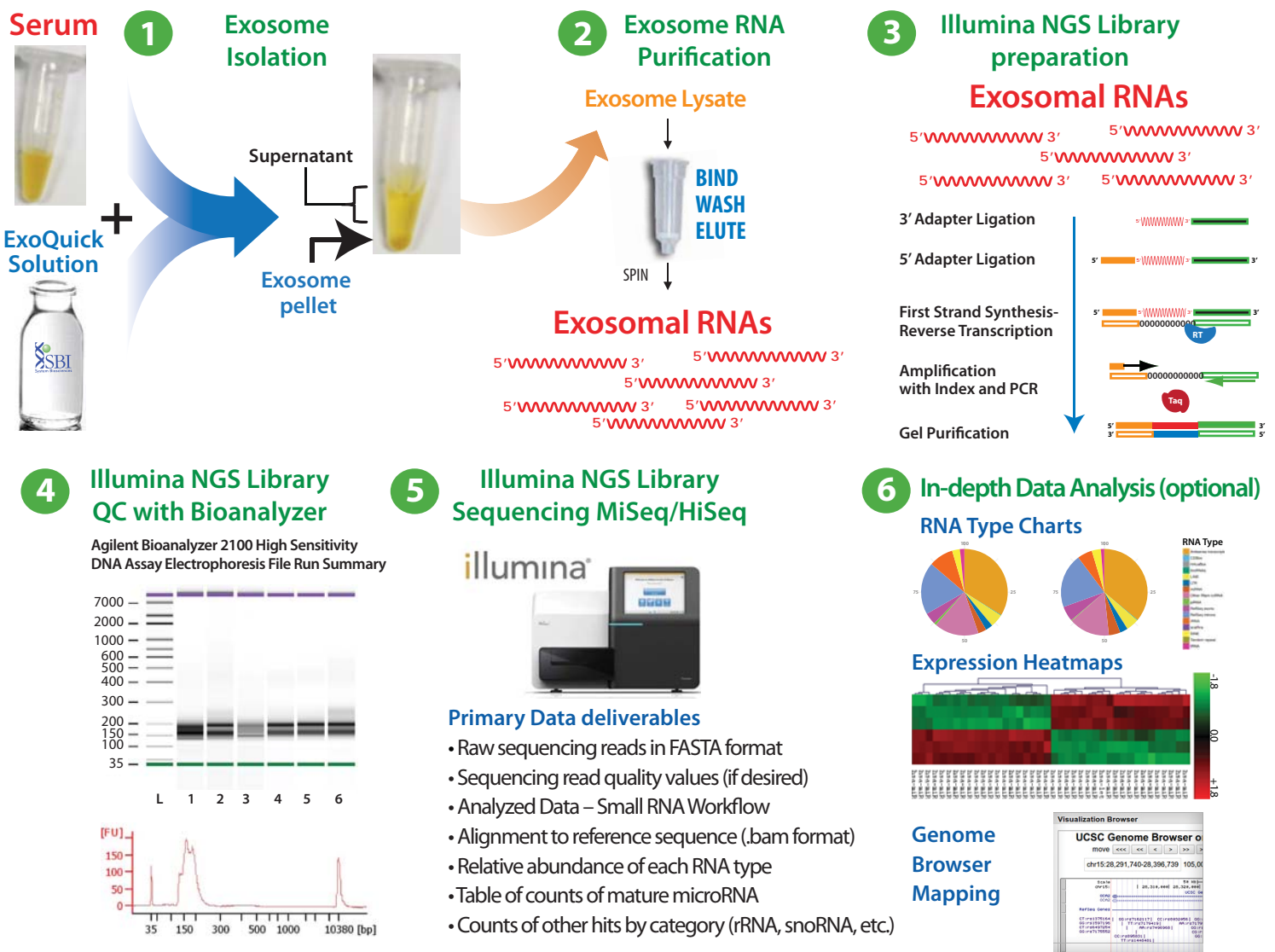
- Mail SBI samples (serum, urine, media)
- Receive raw data and analysis report
- Publish in Science/Nature
- Get your next major grant !

Exosome RNA Next-Gen Sequencing Service

Ship SBI your samples and we take care of the rest

SBI's ExoNGS service provides the exosome researcher with a comprehensive, expert service to isolate and identify exosome-associated RNA biomarkers - leveraging the throughput and scalability of Illumina's MiSeq and HiSeq next-generation sequencing platforms. Most exosomal RNAs are less than 300 nucleotides in length, thus small RNA libraries are ideal for this application. This service is a complete turnkey solution that is tailored for researchers who are interested in identifying novel exosome RNA biomarkers or understanding the abundance of such biomarkers in the exosomes of their model cellular systems or patient biofluids.

Overview and example of serum exosome RNA NGS library preparation



We Also Offer Custom Services for Follow-up qPCR Analysis of NGS Hits

System Biosciences offers a wide-range of custom services to support your research, allowing you to spend less time making tools, and more time making discoveries. To learn more, visit our website at www.systembio.com/service or call us at 888-266-5066.