

NanoString Technologies

530 Fairview Ave N

Seattle, WA 98109

**Certificate of Analysis**

**GeoMx® Human Whole Transcriptome Atlas Probe Mix**

NanoString Technologies certifies that at the time of shipment the GeoMx Human Whole Transcriptome Atlas NGS RNA Probe Mix described below performed according to specification and passed all required quality control tests.

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| --- |
| GeoMx Human Whole Transcriptome Atlas Probe Mix |
| Lot Number | **HWTA21002** |
| QC Metric | Specification | Pass/Fail |
| Probe Integrity | Probe Mix contains oligos of the correct size | Pass |
| Probe Pooling | All probes present in lot | Pass |
| Probe Concentration\* | 98% probes meet concentration threshold | Pass |

\*Probe concentration lower than half of the median concentration of all probes leads to an increased amount of variance in the number of counts observed for that probe. The following probes fall below that concentration threshold in this lot and are listed below for reference. While we find that these probes can deliver meaningful data, we suggest analyzing these probes with caution.

Target List:

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| NICN1 |
| EIF4A3 |
| GALNT16 |
| HPCAL4 |
| DPP8 |
| ZC3H12C |
| SOAT2 |
| ARHGAP31 |
| ZNF830 |
| IDUA |
| SLC22A7 |
| MAN1A2 |
| NPBWR2 |
| OR8D1 |
| QRICH1 |
| RPS19 |
| MRPS36 |
| ZDHHC7 |
| EMG1 |
| TPBG |
| KAT14 |
| TPST1 |
| C3orf18 |
| CKAP2L |
| CRISP3 |
| ZRANB1 |
| SERTAD1 |
| GBA2 |
| PARPBP |
| FLYWCH1 |
| RCSD1 |
| KRTAP12-3 |
| CRCT1 |
| KCNK5 |
| DENND4C |
| VNN3 |
| NPLOC4 |
| RRH |
| ZMYND11 |

Title: Senior Quality Engineer .

Signature:  Date: 17AUG2021 .