



ARBOR ACQUIRED Jan 3











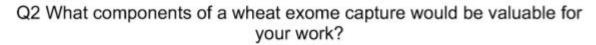
Wheat Exome Kit v1

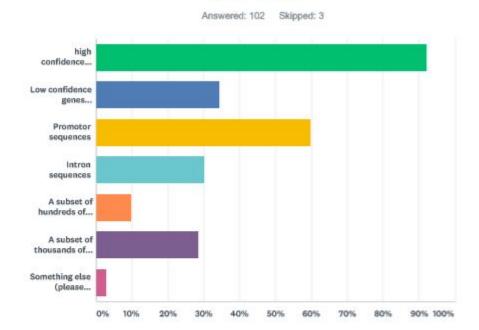


Survey, Design, Testing



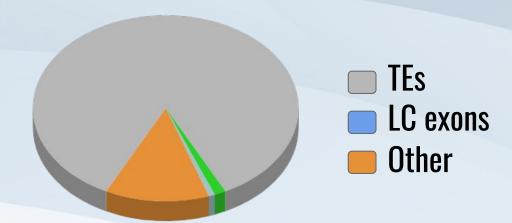
EXOME SURVEY, April 2018





ANSWER CHOICES	RESPONSES	
high confidence genes (including UTR)	92.16%	94
Low confidence genes (including UTR)	34.31%	35
Promotor sequences	59.80%	61
Intron sequences	30.39%	31
A subset of hundreds of exons	9.80%	10
A subset of thousands of exons	28.43%	29
Something else (please specify)	2.94%	3





High-confidence exons 170 Mbp [249 Mbp]

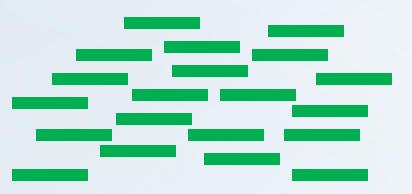


TESTING- ALPHA & BETA PHASE I - LATE 2018





1.98M probes window-optimized



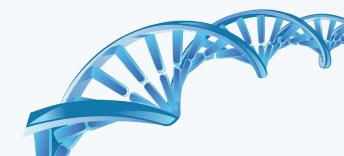
1.65M probes re-balanced

ALPHA TESTING

- specificity gauge
- balancing guide

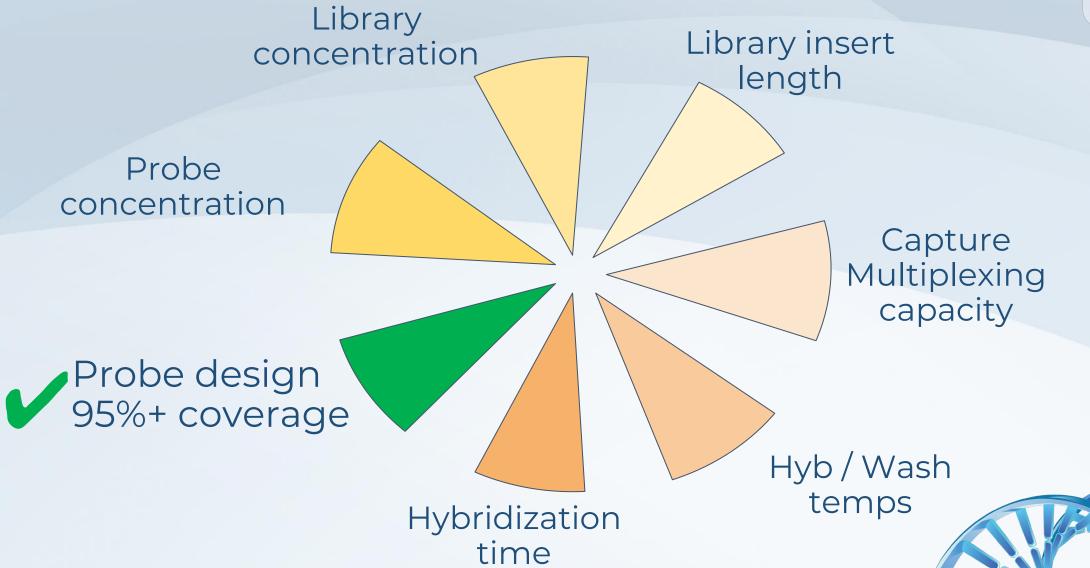
BETA TESTING

- coverage breadth
- parameter optimization



TESTING- BETA PHASE II - EARLY 2019





Wheat Exome Kit vl

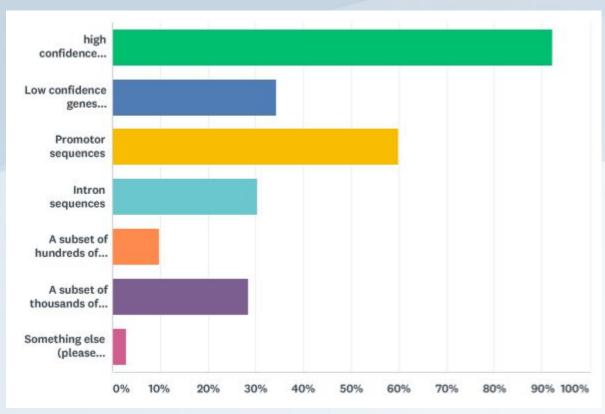


Future Features



EXPANSION PACKS-LATER 2019





- ✓ Low-confidence exons
- ✓ Promoters
- Discounted custom mods

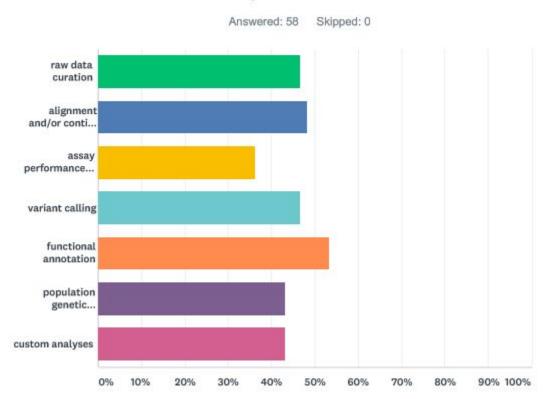
✓ Other cultivars



BIOINFORMATIC SUPPORT- LATER 2019



Q3 What steps of NGS data analysis do you or your team routinely perform?



Partner company to provide wheat exome...

- data curation
- QC and alignment
- performance metrics
- variant calling





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