

ddRAD
genotyping



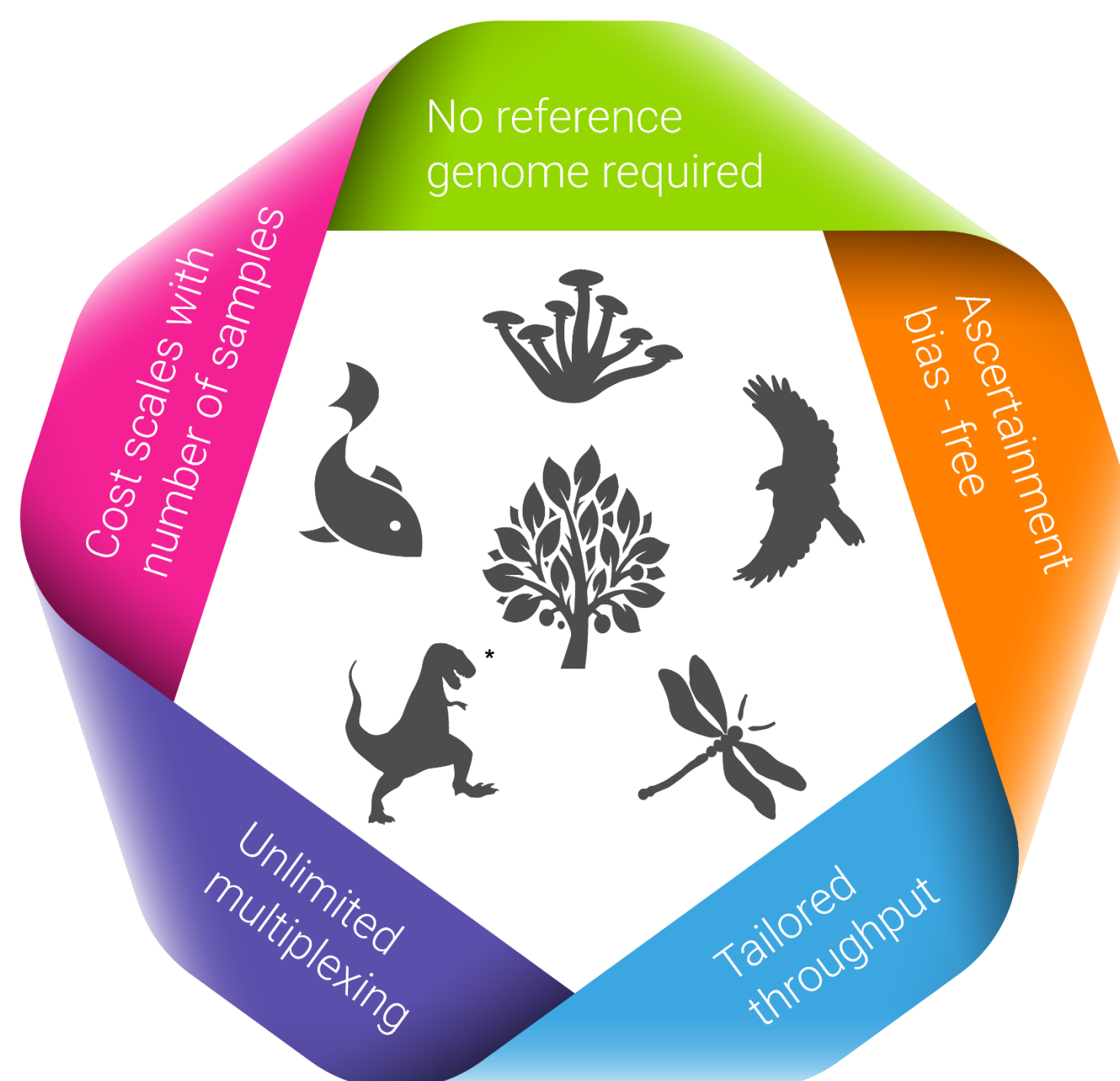
Fast and reliable genetics

Make your research move forward with no burden on data generation



www.igatechnology.com

- Discover and genotype genetic diversity in one fast experiment
- Scale costs on sample number
- Transparent and competitive costs
- Control markers abundance (1-100s thousands)
- Fit any genome size
- Retrieve adequate coverage in heterozygous/polyploid species
- Internally optimized protocol
- In-house sequencing
- Ascertainment bias free
- Support in experimental design
- DNA normalization service
- From 96 to 576 samples on a single Illumina lane



Bioinformatics support:

- Genome anchoring
- Linkage analyses / QTL mapping
- Association studies
- Population structure
- Phylogenetic analyses
- Customer-oriented data conversion
- Diagnostic polymorphism selection

*Depending on species availability

target
genotyping



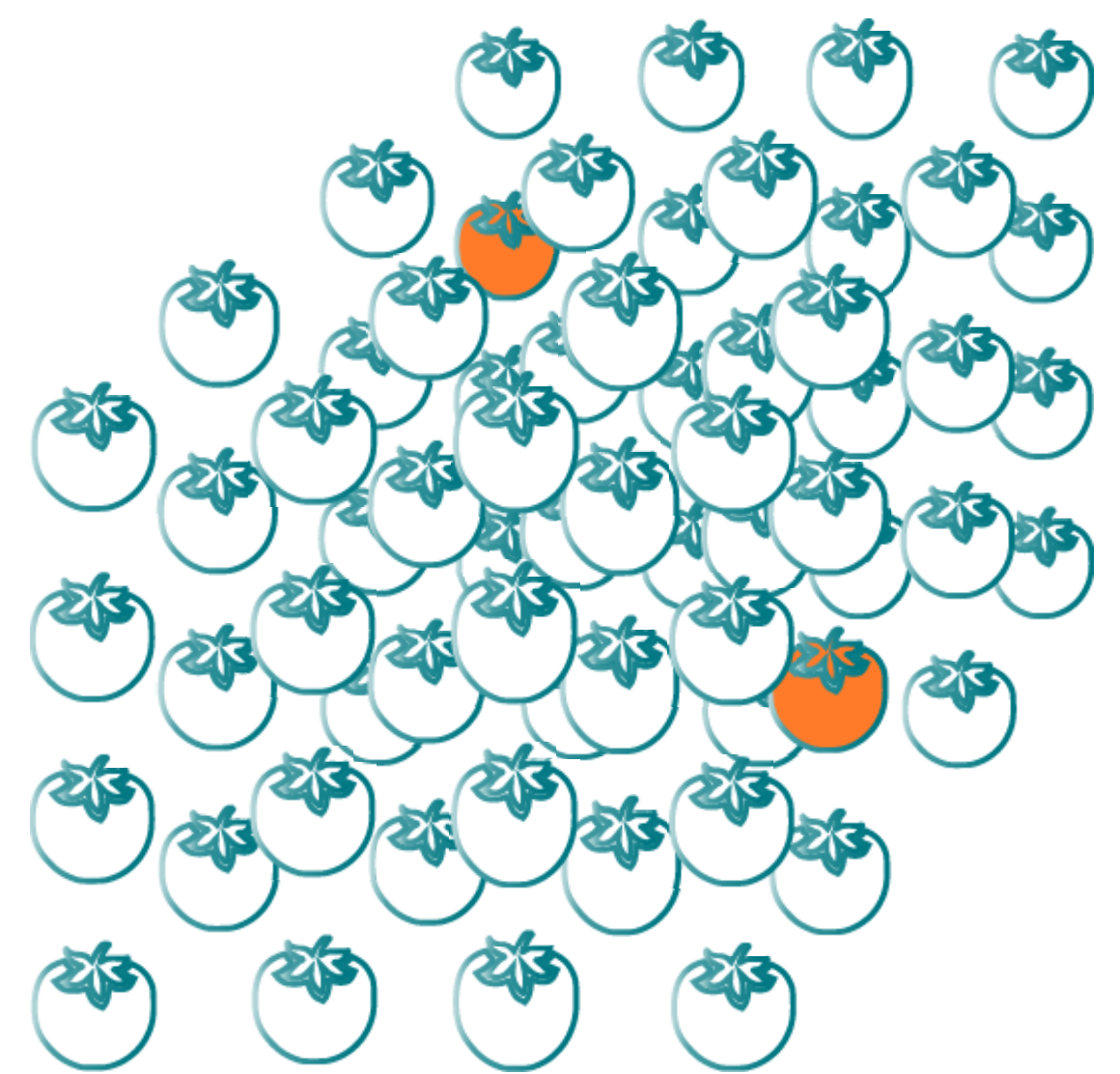
Solutions for target enrichment in genotyping

Take full control of your experiments



www.igatechnology.com

- Discover novel diversity, also in non-model species
- Optimized strategies for cost reduction
- Up to 192 samples multiplexing
- Target your regions/genes/chromosome of interest
- Internally optimized protocols
- In-house sequencing
- Support in experimental design
- Target from <1Mbp, up to 50Mbp
- Bioinformatics support in downstream analyses



Chose your system:

IGATech have gained experience on both **hybridization-** and **primer extension-**based enrichment systems. Please inquire to discuss with us to find the best approach for your experiment.

Several strategies have been identified to maximize cost-effectiveness in a wide range of scenarios: **SNP discovery**, **genotyping of known polymorphisms** and also **TILLING** and **eco-TILLING** experiments using different pooling strategies.

