



# Genotyping by sequencing service

**Genotyping by sequencing (GBS) is the cost effective method of choice for genome wide SNP discovery without prior knowledge of the genome sequence.**

Combine restriction enzyme-mediated complexity reduction with the high-throughput sequencing capacity of NGS platforms, and score random markers across an entire genome.

## Why use LGC Biosearch Technologies™?

- Choose the best method for your samples. **Expert assistance** in protocol selection.
- **Complete bioinformatics support** for any species (pre-processing, clustering, alignment, variant analysis).
- **Innovative normalisation approach** – reduce repetitive parts of your genome and maximise sequencing efficiency.
- **Expert DNA extraction services available.**
- **LGC has a license from Keygene to offer the GBS service.** For all species and all crop types.  
Keygene N.V. owns patents and patent applications protecting its sequence based genotyping technologies, as described by Truong et al., PLoS ONE 7: e37565, 2012. LGC has a licence from KeyGene N.V. to offer the GBS service for any organisms provided that use and application in human and animal shall be limited to researchuse only.
- Results are convertible into cost-effective high-throughput [KASP™](#) or probe-based **genotyping (BHQplus™ Probes)** and [Flex-Seq™](#) services.

**Make an enquiry today!**






[@LGCBiosearch](#) | [biosearchtech.com](#)

All trademarks and registered trademarks mentioned herein are the property of their respective owners. All other trademarks and registered trademarks are the property of LGC and its subsidiaries. Specifications, terms and pricing are subject to change. Not all products are available in all countries. Please consult your local sales representative for details. No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording or any retrieval system, without the written permission of the copyright holder. © LGC Limited, 2023. All rights reserved. GEN/0565/FS/1023

For Research Use Only. Not for use in diagnostic procedures.

**BIOSEARCH™**  
**TECHNOLOGIES**  
 GENOMIC ANALYSIS BY LGC

