

Array-Ready Oligo Set™ Peach Version 1.0

Table of contents

- I. Introduction
- II. Product summary
- III. Product specifications
- IV. Documentation
- V. Technical support

I. Introduction Operon has built a reputation for quality and performance, reflected in our array-ready product line. Operon's Array-Ready Oligo Sets™ are jointly developed by our highly skilled bioinformatics and synthesis groups. Our extensive research shows that our array-ready oligos, based on Operon's pioneering 70mer concept, offer the following benefits:

- More cost effective than cDNA arrays
- Cross-hybridization minimized
- Overlapping genes and/or transcripts differentiated
- Hybridization temperature normalized
- Stable attachment to covalent and non-covalent surfaces
- Concentration normalized
- Human-mediated errors minimized due to automation
- Secondary structure minimized

II. Product summary The Peach Genome Oligo Set V1.0 contains 4806 oligos representing 4806 genes from *Prunus persica*.

III. Product specifications

The Peach Genome Oligo Set V1.0 is provided in 13 384-well plate containing 4806 70mers. Each 70mer has been sequence optimized using BLAST (Basic Local Alignment Search Tool) for nucleotide sequence to minimize cross-hybridization in your microarray experiments. The 70mers have also been T_m normalized to 78°C (±5°C). The T_m normalization allows for a more stringent hybridization at higher temperatures. When a 70mer could not be designed within the specified T_m range, a shorter length oligo was substituted to maintain the stringent T_m conditions. Each well contains 600 pmol of the specified 70mer lyophilized (see peach_V1.0.1_genelist_s-.xls at <http://omad.operon.com/download/>). The plate is ready to be resuspended using the appropriate buffer. One additional 384-well control plate contains 12 unique positive controls and 12 unique negative controls provided in a single 384-well plate at 600 pmol per well.

IV. Documentation

- peach_V1.0.1_genelist_s-.xls
- peach_V1.0.1_readme.pdf

Documentation is available at our Download Center (<http://omad.operon.com/download/>).

V. Technical support For technical support questions, please contact Operon at (800) 688-2248 or e-mail us at dnatechsupport@operon.com. Further information may also be found at our website at <http://oligos.operon.com/>.

Copyright © 2006, Operon All rights reserved.