





# Illumina Solutions for Agriculture Research

APPLICATION	Discovery		Validation & Screening	
TECHNOLOGY	Sequencing	BeadArray	BeadArray	VeraCode
PLATFORM	 Genome Analyzer	 iScan System	 iScan System	 BeadXpress Reader
ASSAY	Sequencing by Synthesis	Infinium Assay	Infinium Assay GoldenGate Assay	GoldenGate Assay Open Platform Assay
SCALE	Single Base Resolution of Gigabases of Q30 Data	3K to 200K (Infinium) Custom      Standard	3K to 200K (Infinium) 96-, 384-1,536-plex (GoldenGate) Custom	48- to 384-plex (GoldenGate) 1- to 72-plex (Open Platform) Custom
PRODUCT	<ul style="list-style-type: none"> <li>Gene and SNP Discovery</li> <li>De Novo Sequencing</li> <li>Targeted Resequencing</li> <li>RNA Expression Analysis</li> <li>Small RNA Discovery</li> <li>DNA Methylation</li> <li>ChIP-Seq</li> </ul>	<ul style="list-style-type: none"> <li>Infinium iSelect Genotyping Panels 3K-200K</li> </ul>	<ul style="list-style-type: none"> <li>BovineSNP50</li> <li>CanineSNP20</li> <li>EquineSNP50</li> <li>OvineSNP50</li> <li>PorcineSNP60</li> </ul>	<ul style="list-style-type: none"> <li>Infinium iSelect Genotyping Panels 3K-200K</li> <li>GoldenGate Genotyping Panels 96- to 1,536-plex</li> <li>GoldenGate Methylation Panels 384- to 1,536-plex</li> <li>VeraCode GoldenGate 48-384</li> <li>VeraCode Custom DASL Assay 96+384</li> <li>VeraCode Methylation 96+384</li> <li>VeraCode Universal Capture Beads 1-72</li> <li>VeraCode Carboxyl Bead Set 1-48</li> </ul>