

## SNP Trace

### Track the True Identity of Your Samples

You maintain the integrity of translational research as a biorepository or service lab by implementing proper handling and processing procedures of DNA samples in your lab. But you are also aware of the mistakes that happen during the collection and transfer of samples—before samples even reach your lab. You risk your lab's reputation when misidentified, degraded, or contaminated samples persist in your lab and are possibly sent to a researcher. You must identify and remove these samples to save your reputation and increase the value of your service. Implement a simple, fast, cost-effective genotyping test for all incoming samples to avoid the embarrassment of providing bad samples for translational research.

The SNP Trace™ Panel is a set of 96 SNPs for DNA sample quality control and identification:

- Confirm parentage, gender and ethnicity to find sample annotation errors.
- Assess sample quality for samples that may not perform well in a GWAS or NGS experiment.
- Detect unexpected duplicates or sample contamination.
- Assign a DNA fingerprint to enable biological sample tracking throughout any downstream analysis.

#### **Fast and Simple Workflow**

Transfer samples and the SNP Trace panel assays into the 96.96 GT IFC (15 minutes).

Auto-load samples and assays using the IFC Controller HX (90 minutes).

Cycle and collect data in the Biomark™ HD system (90 minutes).

## SNP List

SNP RS ID	A	I	G	P	E	Q	SNP RS ID	A	I	G	P	E	Q	SNP RS ID	A	I	G	P	E	Q
rs1471939		x			x		rs13400937		x			x		rs12629908		x				x
rs4666200		x			x		rs4918842	x	x			x		rs1336071	x					
rs7554936	x	x			x		rs9809104		x			x		rs740598				x		
rs9530435	x	x			x		rs1821380				x			rs12997453		x				
rs6104567		x			x		rs279844				x			rs2352476				x		
rs2272998						x	rs952718				x		x	rs1554472	x	x				
rs560681	x	x					rs447818				x			rs10007810		x				x
rs6591147	x	x				x	rs13134862				x			rs1760921		x				x
rs321198				x			rs4463276		x			x		rs1040045		x				x
rs870347		x			x		rs3943253		x			x		rs10496971	x	x				x
rs2946788		x		x	x	x	rs6548616	x	x			x		rs7803075	x	x				x
rs4891825		x			x		rs731257	x	x			x		rs987640				x		
rs10108270	x	x			x		rs9319336		x			x	x	rs6444724		x				
rs2397060	x	x				x	rs1019029		x					rs10092491		x				
rs7229946	x					x	rs1358856				x			rs735612		x				
rs13182883	x	x					rs1823718		x					rs985492	x	x				
rs1876482				x			rs2503107		x					rs9951171					x	x
rs315791	x	x					rs10236187	x	x			x		rs3907047	x	x				x
rs7205345				x			rs1513181		x			x		rs1865680				x		
rs798443	x	x		x			rs7657799	x	x			x		rs525869				x		
rs4717865	x	x		x			rs2504853	x	x			x		rs2040962				x		
rs2416791	x	x		x			rs772262		x			x		rs530501				x		
rs2125345	x	x		x			rs3737576		x			x		rs2032624		x				
rs4746136	x	x		x			rs445251				x			rs1296819						x
rs13218440		x					rs10488710	x						rs316598						x
rs1523537		x					rs722869				x			rs722290					x	
rs1058083		x					rs1109037	x						rs1872575					x	
rs1344870						x	rs3780962		x					rs18579					x	
rs7704770		x					rs7997709		x			x		rs891700					x	
rs1410059	x	x					rs4670767		x			x		rs8113143						x
rs5768007		x			x		rs9522149		x			x		rs1008730					x	
rs260690	x	x			x		rs4908343	x	x			x		rs17307398				x		

## Ordering Information

Part Number	Description	SNP Categories
100-6280	SNPtrace™ Panel	SNPs in Affymetrix® microarray (A) NPs in Illumina® microarrays (I) Gender SNPs (G) Polymorphic SNPs (P) Ethnicity SNPs (E) Quality SNPs (Q)

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