

# Customize the SNP Trace Panel to Fit Your Needs

You can be proactive by DNA fingerprinting your samples with the Fluidigm SNP Trace™ Panel to save your reputation and business. But there are times when you need specific SNPs. It's easy to customize the panel to fit your needs. Simply select your desired SNPs, and our D3™ Assay Design engine can substitute custom SNP Type™ assays into the panel. Now, you can be more confident about sample quality.

```
rs121912579 GAAAGGCTGGGGACCGGATTACCCA [A/T]GACAGAGCATCA
rs3213409 CACGGTCTGGGAAGTGTTTAGTGGC [A/G]TCACCATGCCCA
rs76962868 GGAGGGCCAGACCTAAGAGCAATC [A/C]GTGAGGAATCAG
rs2352028 GAGCTTTGAGGAAAAGTCCATCTTTT [C/T]GAGGCCATTCA
rs1051730 GGGCCATCATCAAAGCCCCAGGCTA [C/T]AAACACGACATC
rs16969968 TAGAAACACATTGGAAGCTGCGCTC [A/G]ATTCTATTGCT
rs2811708 TCCCTTTTCTACATGTTCTTCTCCC [G/T]TCTCCATTA
rs272547290 CCTGCTTCTAAGGTTACCTGCTTAC [C/T]GCAAAACCAAGC
```

DEFINE DESIGN DELIVER ADD TARGETS ORDER

DESIGNED TARGETS: 96/96

DESIGN RANKINGS: H:96 / M:0

RETRIEVE FROM ARCHIVE

INDEX	TARGET NAME	TARGET TYPE	TARGET INFO	FLUIDIGM ASSAY ID	% GC	DESIGN RANK	DESIGN COMMENTS
1	hu7	Assay ID	GTA0014560	GTA0014594	36%	High	
1	hu11	Assay ID	GTA0014550	GTA0014594	36%	High	

NEW PROJECT

PROJECT	ASSAY TYPE	VERSION	TARGETS	ASSAYS	MODIFIED	STATUS
> FFG	DELTA Cerna	1.2	5	5	14 Jan 2014	Completed
> FFG	DELTA Cerna	1.1	12	5	12 Jan 2014	Completed
> My SNP Trace	SNP Type	1	96	96	14 Jan 2014	Completed
> FFG	DELTA Cerna	1.0	20	5	02 Jan 2014	Completed
> AMG	SNP Type	1.1	35	5	14 Jan 2014	In Progress
> LLN	DELTA Cerna	1.2	5	5	14 Jan 2014	Completed
> BASESET	DELTA Cerna	1.1	12	5	12 Jan 2014	Completed
> MAGNIS	DELTA Cerna	1.0	20	5	02 Jan 2014	Completed
> FORECI	SNP Type	1.2	35	5	14 Jan 2014	Completed
> BISHOU	SNP Type	1.1	35	5	14 Jan 2014	In Progress
> HGG4	DELTA Cerna	1.2	5	5	14 Jan 2014	Completed
> FANNIUS	DELTA Cerna	1.1	12	5	12 Jan 2014	Completed

## Fluidigm SNP Trace Panel

### 1 CHOOSE YOUR SNPS

Identify the SNPs based on research or your customer's requirements. For example, you need to use SNPs that are highly polymorphic in a population or are cited in a publication. Either way, you can substitute those SNPs for others in the SNP Trace panel.



### 2 DESIGN WITH D3 ASSAY DESIGN

Note the RS number of the chosen SNPs and visit the D3 Assay Design page ([fluidigm.com/d3](http://fluidigm.com/d3)) to submit the SNPs for design. Include the 16 SNP Trace Panel assays that are used by the Fluidigm SNP genotyping software to analyze the quality and gender of your samples. Edit, approve, and order the SNP designs in D3 Assay Design.



### 3 RECEIVE YOUR PANEL

You will receive your customized panel of SNP Type Assays within 4 weeks. The assays are ready-to-use.

#### Reference for how to choose SNPs for sample identification:

Kidd, K.K. et al. "Developing a SNP panel for forensic identification of individuals." *Forensic Sci. Int.* 164 (2006): 20–32.

Pakstis, A.J. et al. "SNPs for a universal individual identification panel." *Hum. Genet.* 127 (2010): 315–24.

To start customizing your SNP Trace Panel contact your Fluidigm sales representative today or visit [fluidigm.com](http://fluidigm.com), where you can learn more about sample ID testing and SNP Type assays.

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