

	Aim	specimen	platform	method	Instrument platform
1	Genetic identification of species in food	meat, fish, seafood, game	DNA barcoding	gene DNA sequencing	PCR, DNA Sequencer
2	Traceability of animal species in food	meat products	Real time PCR	proportional DNA amplification	rt-PCR
3	Species milk identification	sheep milk, goat milk	Casein	gene DNA sequencing	PCR, DNA Sequencer
4	Origin traceability of wild and hatchery	sea bream, sea bass	SNP panels	SNP genotyping (Kasp)	rt-PCR
5	Genomic characterization of livestock	livestock species	SNP arrays	GWAS analysis	Illumina NGS
6	Microbiome analysis	Cheese	NGS	16S rRNA sequencing	Illumina NGS
7	Strain Typing	Cheese	Ribo Printing	rRNA gene restriction pattern	DuPont Ribo Printer