

genome.fa

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graph TD; genome_fa([genome.fa]) --> genemark_es[GeneMark-ES]; genome_fa --> augustus_prediction[AUGUSTUS prediction]; genemark_es --> genemark_gtf([genemark.gtf]); genemark_gtf --> augustus_training[AUGUSTUS training]; augustus_training --> augustus_prediction; augustus_prediction --> augustus_gtf([augustus.gtf]);
```

The diagram illustrates the AUGUSTUS gene prediction pipeline. It begins with a yellow oval labeled 'genome.fa'. A curved arrow from this oval branches to a light green rectangle labeled 'GeneMark-ES' and a straight arrow to a blue rectangle labeled 'AUGUSTUS prediction'. From 'GeneMark-ES', a straight arrow points down to a light green oval labeled 'genemark.gtf'. From 'genemark.gtf', a straight arrow points down to a blue rectangle labeled 'AUGUSTUS training'. From 'AUGUSTUS training', a straight arrow points down to the 'AUGUSTUS prediction' rectangle. Finally, a straight arrow points down from 'AUGUSTUS prediction' to a blue oval labeled 'augustus.gtf'.

GeneMark-ES

genemark.gtf

AUGUSTUS
training

AUGUSTUS
prediction

augustus.gtf