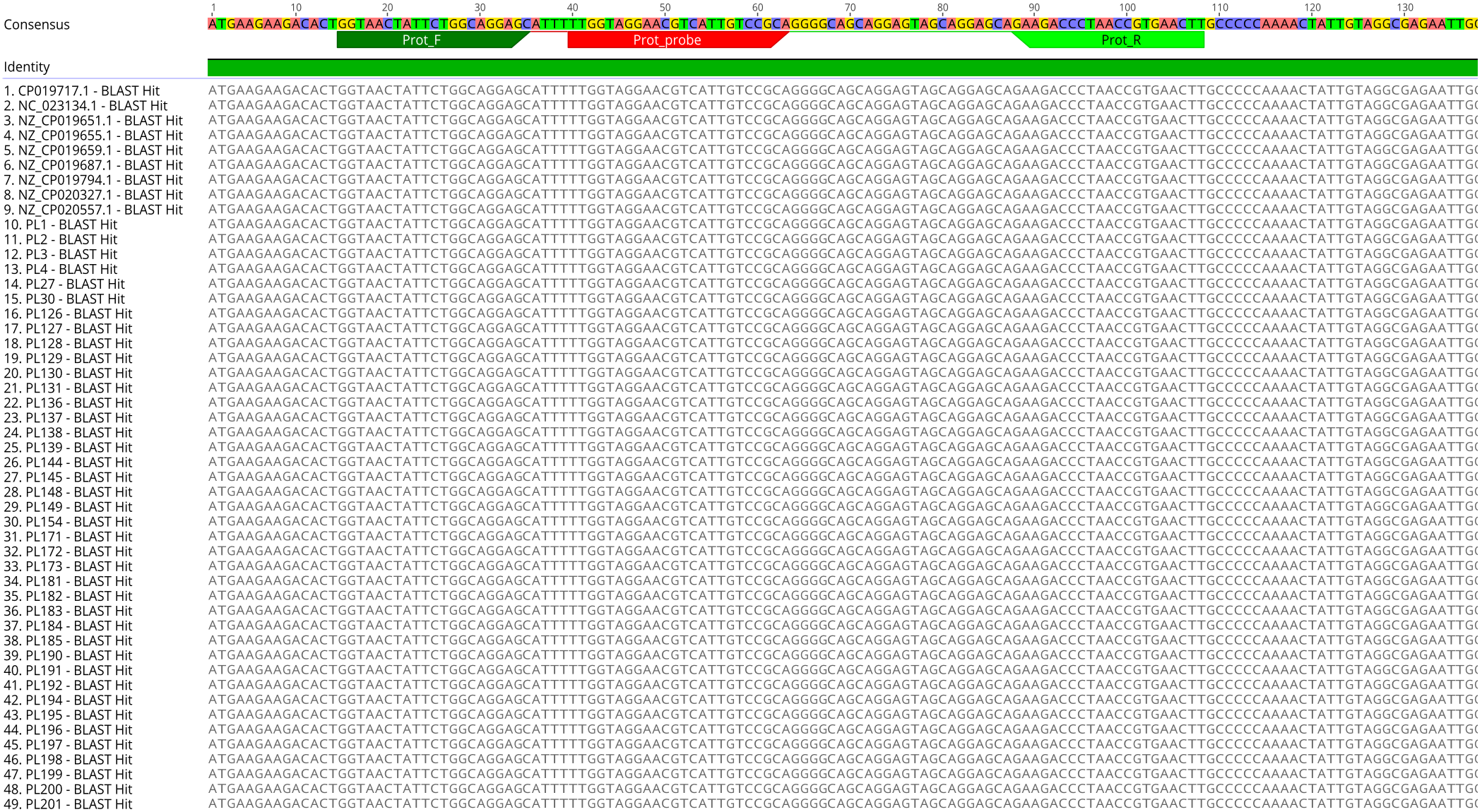

Figure S1. *Paenibacillus larvae* metalloproteinase primer/probe binding sites. Alignment of *P. larvae* metalloproteinase gene sequences was constructed from sequences of nine complete genomes and 40 draft genome sequences of field strains. For isolate metadata, see Table S3.