The areas/aspects of ErnieJ that warrant extra attention include:

1. 37433-37588 🡪 ORF85; no credible blastX hits in GenBank, but aligns to other mycobacteriophage putative gene products using blastP
2. 69959-70267 🡪ORF122; might be site of recombination - but this is not supported by phamerator; tried multiple start sites - no improvement in alignments; considered translational frameshift, but there was no overlapping coding potential
3. 125915 – 126108 🡪 very small overlapping genes found only in 4 draft genomes; considered deleting; no coding potential on external genemark output
4. 139987 – 140198 🡪 smaller gene in reverse orientation that completely overlaps with larger gene in forward orientation; none of the start site choices result in credible hits using blastX; HHpred indicates a domain similar to a serine hydrolase
5. 31 tRNAs and 1 tmRNA
6. There are several areas of large gaps (>50bp), but these seem to be consistent with the gaps observed in finished genomes in Phamerator.