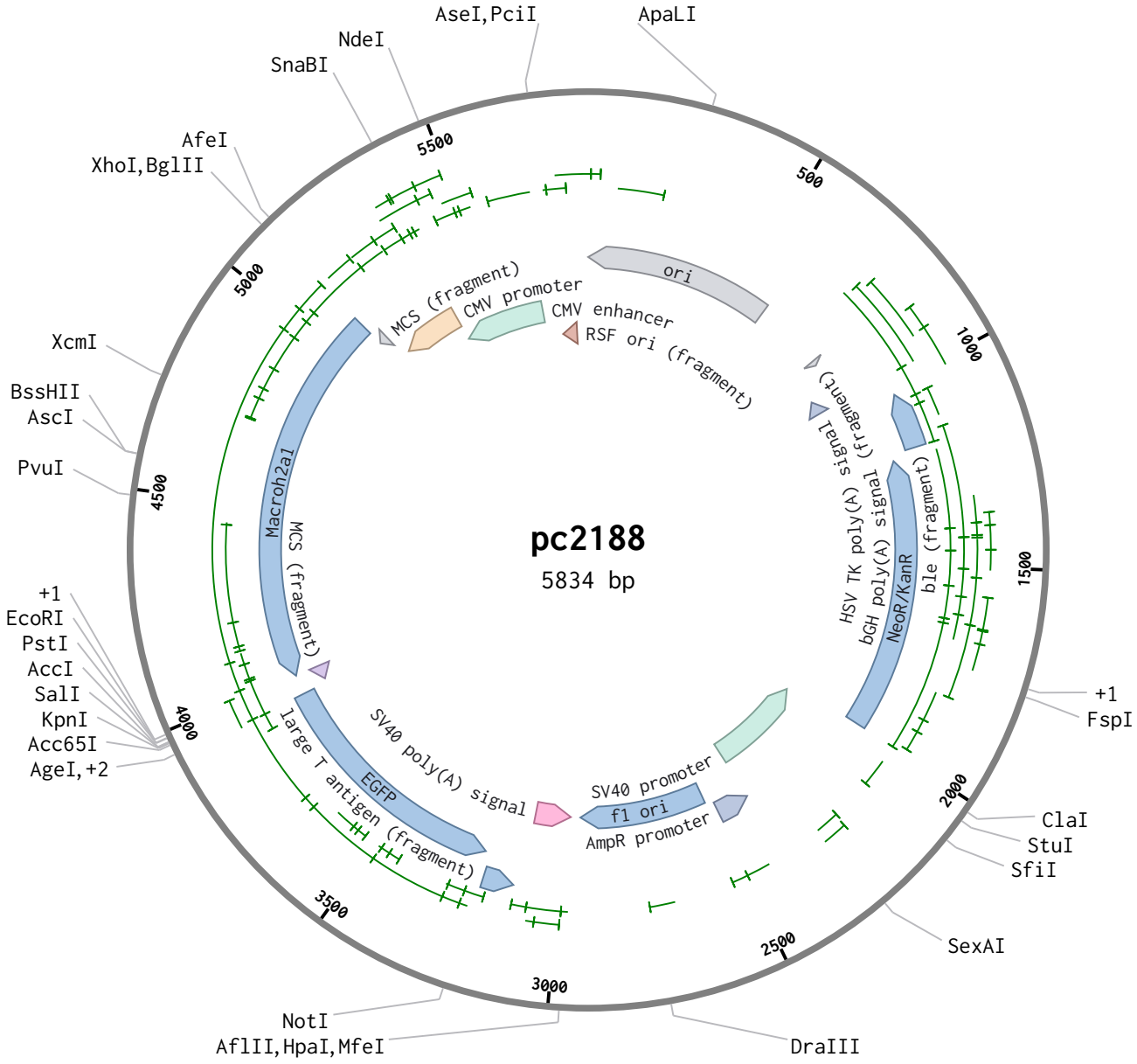pc2188 (5834 bp)