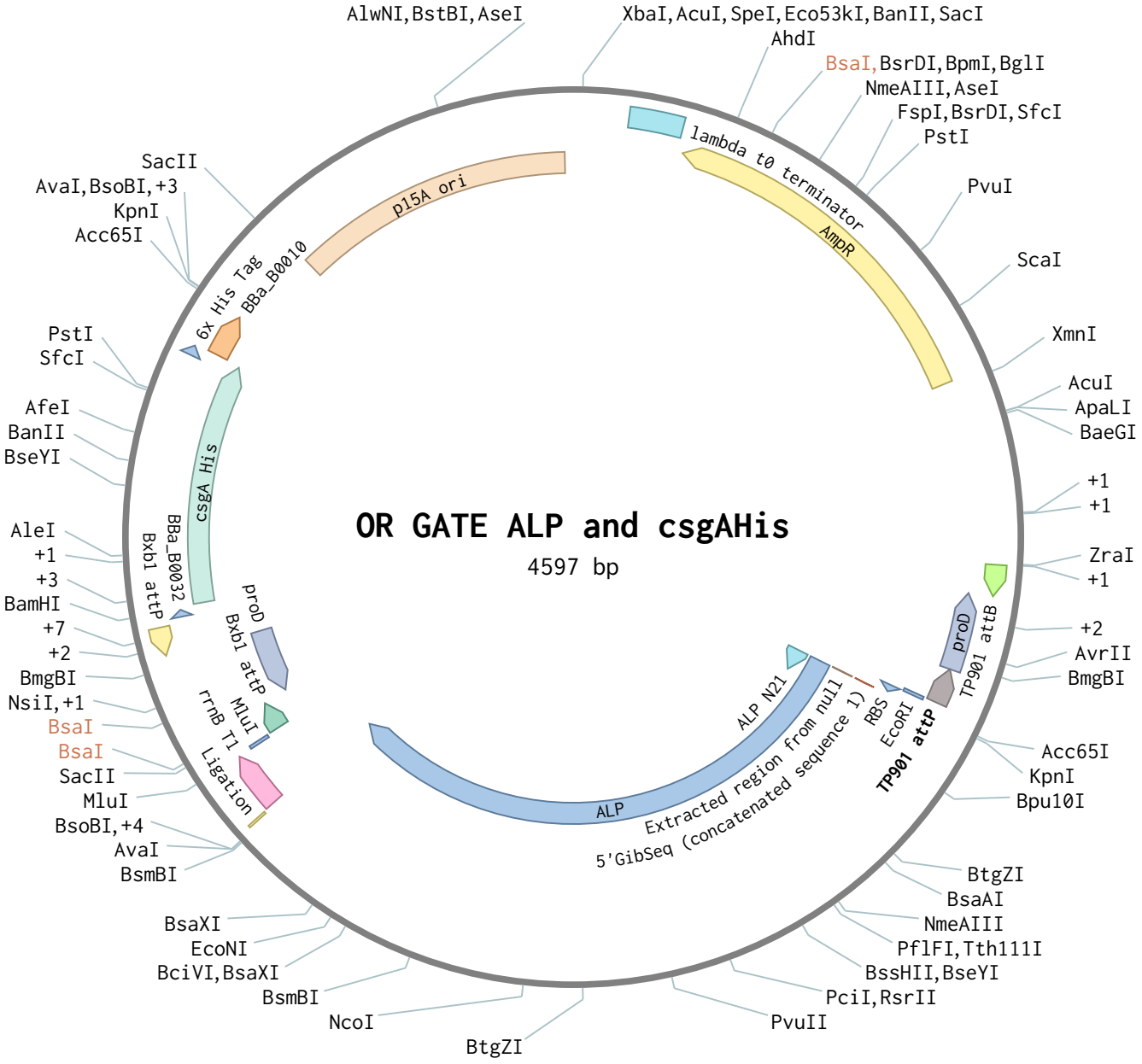OR GATE ALP and csgAHis (4597 bp)