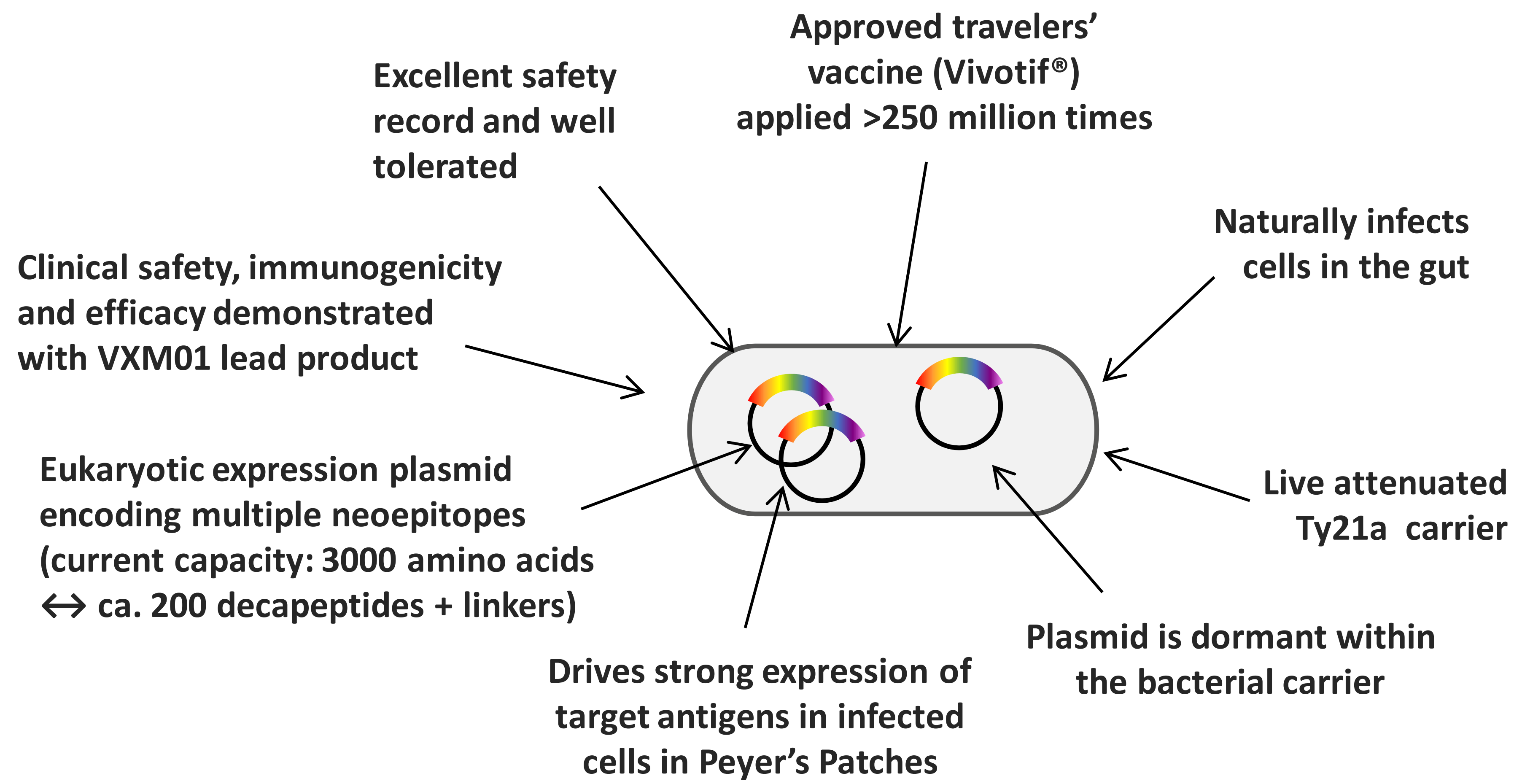


High safety and good tolerability

Readily combinable with other immune therapies

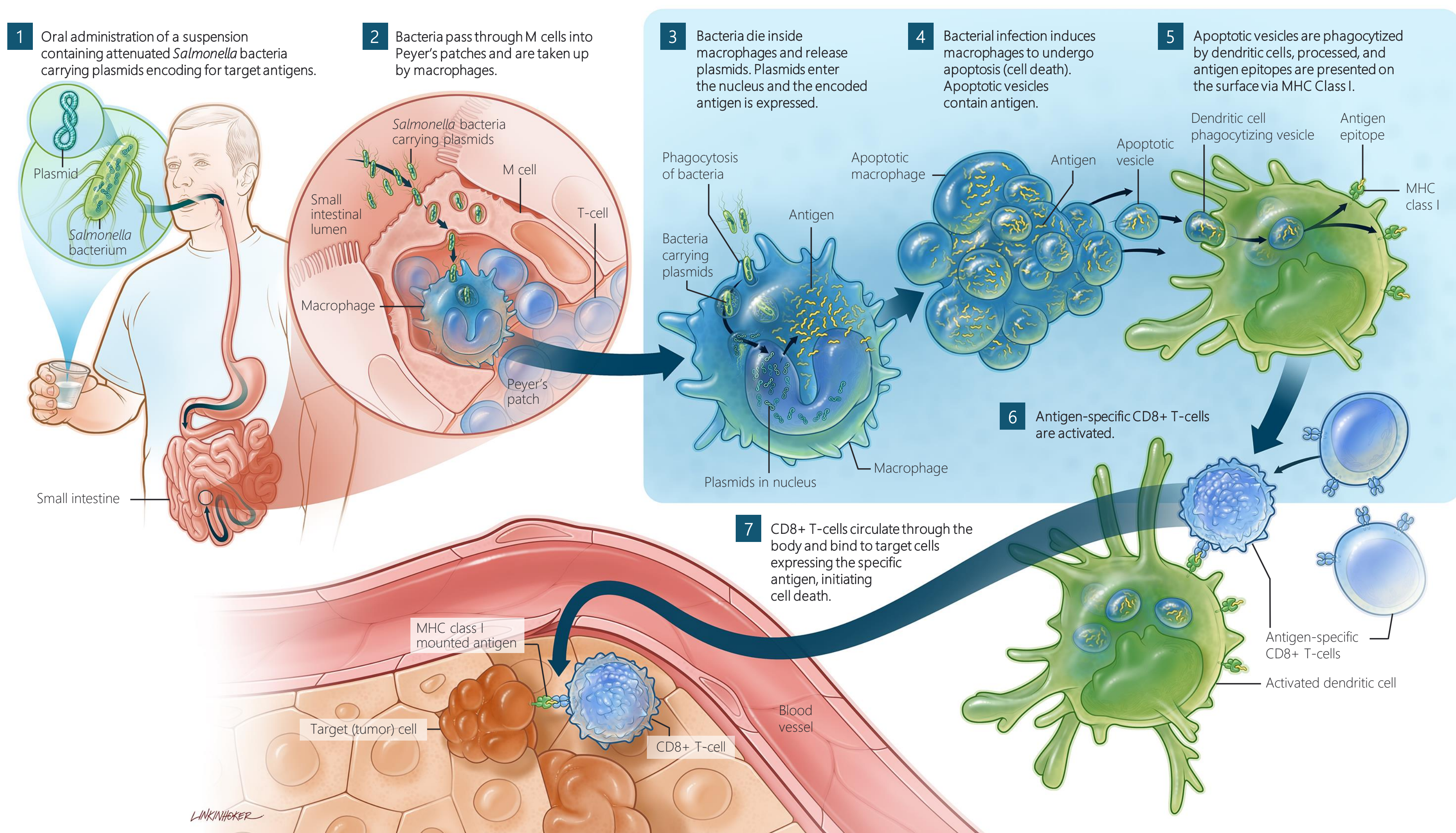
- Approved carrier bacterium, with excellent longstanding safety record
- Low therapeutic doses much below Vivotif® (typically $10^6 - 10^7$ CFU)
- No anti-vector immunity and little to no vector-related side effects
- Suitable for multi target and neoantigen approaches



Natural, efficient and easy way to activate T-cells

Strong antigen expression allowing specific T-cells to target the tumor

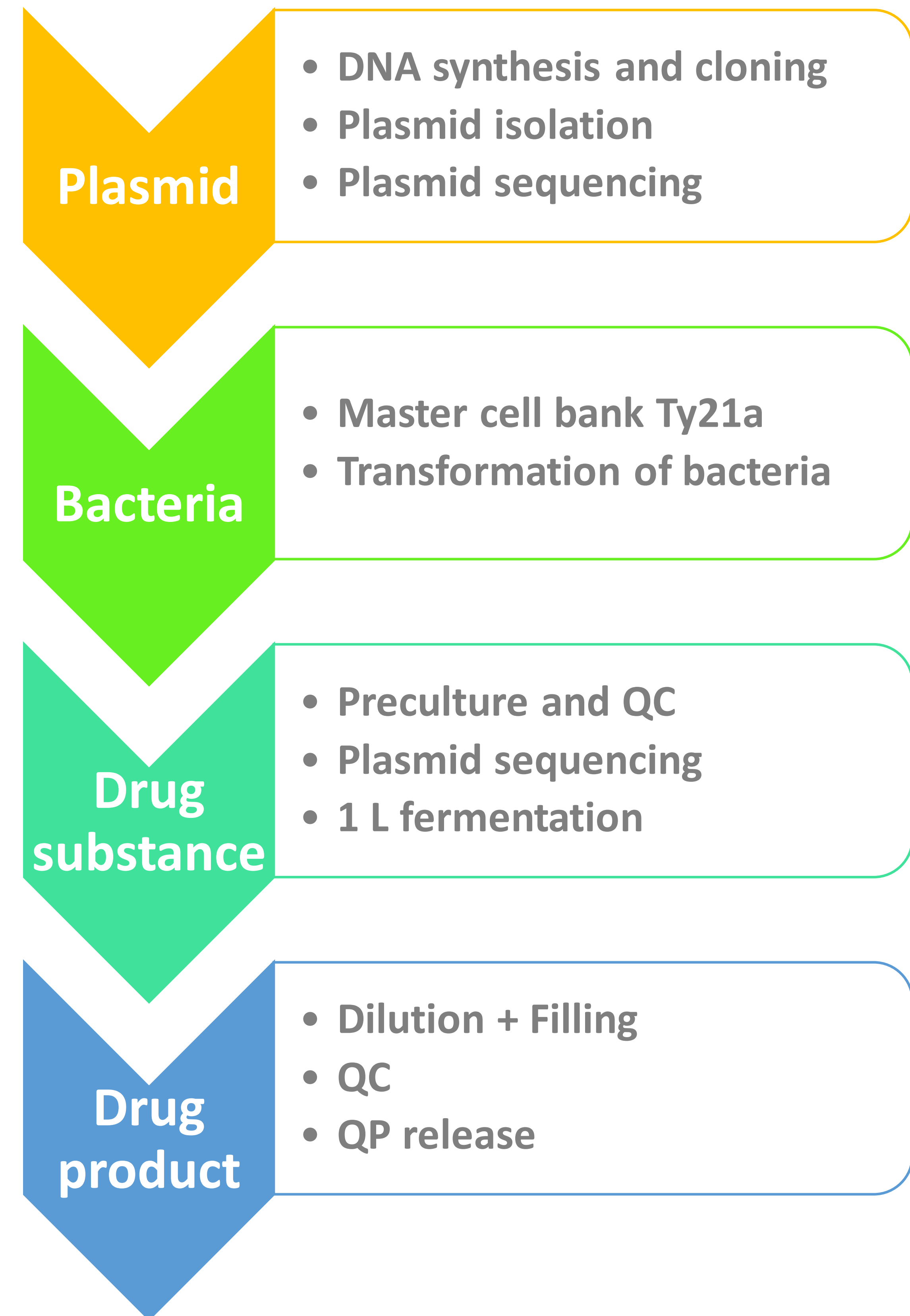
- Oral delivery targeting the lymphatic tissue of the gut
- Boosting possible without anti-carrier immunity
- Self-adjuvanted through concomitant bacterial Ty21a infection
- Very low amount of genetic material administered corresponding to 1 ng of DNA in 10^7 CFU, far below 500-1000 μ g of RNA used in recent studies



Fast, robust and flexible manufacturing

Attractive cost of goods

- Plug and play system
- Established methods (GMP manufacturing, QA/QC, etc.)
- Stable formulation for 3 years independently of the insert
- No galenic formulation incompatibilities
- Neoantigen/ personalized vaccine approaches: 15-day turnaround time
- Large number of epitopes possible

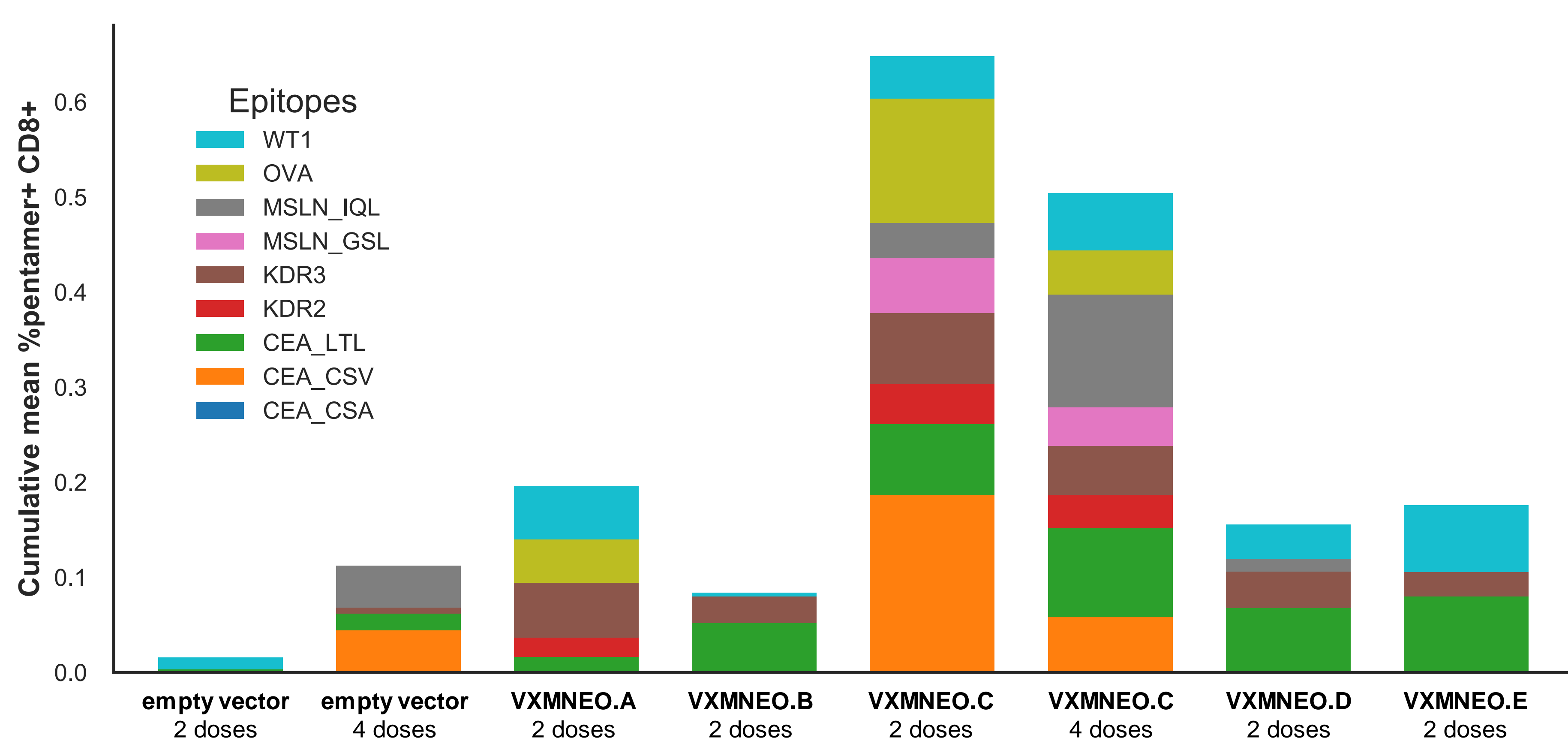
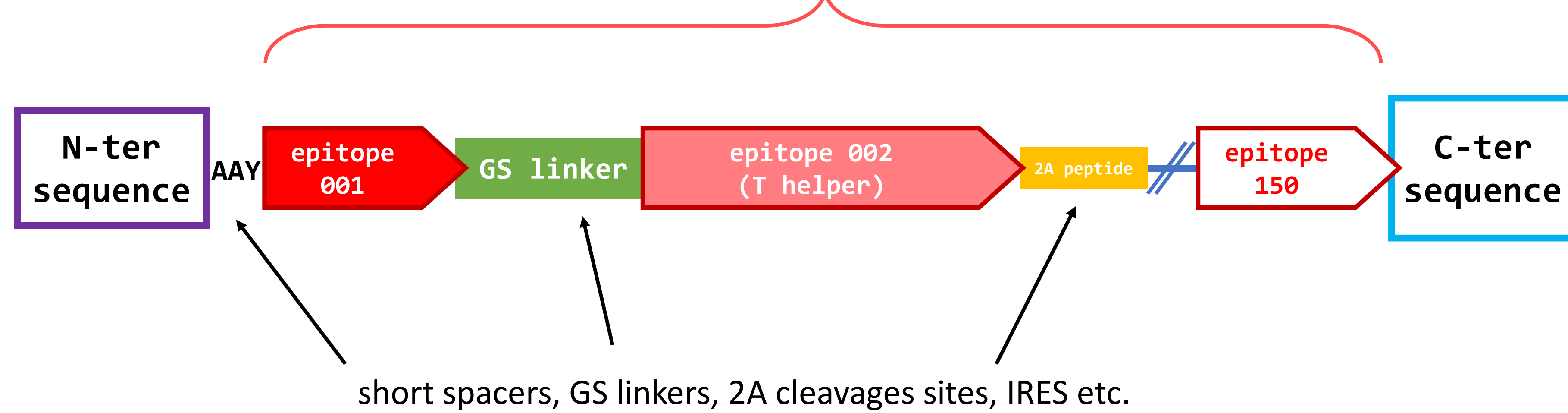


Immunogenicity of different polyepitope constructs

Substantial systemic T-cell response detected

- Different constructs encoding multiple CD8 and CD4 T cell epitopes in a "string-of-beads"
- Dose, treatment schedule, ordering and linkage strategy greatly influences the immunogenicity

100 – 300
T cell epitopes



Cumulative mean frequency of the indicated epitope-specific CD8+ T cell population in the splenocytes of C57BL/6 mice immunized via the oral route with different constructs encoding 9 CD8 epitopes and 1 helper epitope and doses up to 10^{10} CFU.

Best-in-class technology for neoantigen vaccination

Novel approach for targeting neoepitopes

- Short time to oral administration
- Objective: neoantigen identification + 15 days
- Accelerated path to phase 1 POC data
- Unique administration mode
- Strong rationale to combine with checkpoint inhibitors

Delivery Technology	N2N time	Delivery Technology	Ease of mfg.	Route of Administration
VAXIMM	Neoantigen discovery + 15 days	VAXIMM Ty21a based DNA vaccines	+++	Oral
Company A*	115 days	Listeria based vaccines	+++	Intravenous
Company B*	90 days	mRNA	+	Intravenous Intranodal Intradermal
Company C*	75 days	Viral Vectors	+	Intradermal
		Peptides	+	Intradermal
		Dendritic Cells	+	Intravenous
		DNA	+++	Intramuscular

*according to published data