

### Vaxxinoa US, Inc. Issued Patents

Title	Patent Number	Country	Patent Owner
Immunizing Compositions and Methods of Use	PI0206293-3	BR	Epitopix, LLC
Compositions Produced Using Enteric Pathogens and Methods of Use	8,119,147	US	Vaxxinoa, US, Inc.
Compositions Produced Using Enteric Pathogens and Methods of Use	9,109,028	US	Vaxxinoa, US, Inc.
Compositions Produced Using Enteric Pathogens and Methods of Use	9,463,230	US	Vaxxinoa, US, Inc.
Compositions Produced Using Enteric Pathogens and Methods of Use	9,925,253	US	Vaxxinoa, US, Inc.
Compositions Produced Using Enteric Pathogens and Methods of Use	9,981,026	US	Vaxxinoa, US, Inc.
Compositions Produced Using Enteric Pathogens and Methods of Use	9,943,581	US	Vaxxinoa, US, Inc.
Compositions Produced Using Enteric Pathogens and Methods of Use	9,950,052	US	Vaxxinoa, US, Inc.
Polypeptides and Immunizing Compositions Containing Gram Positive Polypeptides and Methods of Use	8,007,811	US	Vaxxinoa, US, Inc.
Polypeptides and Immunizing Compositions Containing Gram Positive Polypeptides and Methods of Use	8,025,885	US	Vaxxinoa, US, Inc.
Polypeptides and Immunizing Compositions Containing Gram Positive Polypeptides and Methods of Use	8,007,803	US	Vaxxinoa, US, Inc.
Polypeptides and Immunizing Compositions Containing Gram Positive Polypeptides and Methods of Use	8,709,436	US	Vaxxinoa, US, Inc.
Polypeptides and Immunizing Compositions Containing Gram Positive Polypeptides and Methods of Use	8,709,760	US	Vaxxinoa, US, Inc.
Polypeptides and Immunizing Compositions Containing Gram Positive Polypeptides and Methods of Use	9,266,944	US	Vaxxinoa, US, Inc.
Polypeptides and Immunizing Compositions Containing Gram Positive Polypeptides and Methods of Use	8,961,979	US	Vaxxinoa, US, Inc.
Polypeptides and Immunizing Compositions Containing Gram Positive Polypeptides and Methods of Use	9,623,076	US	Vaxxinoa, US, Inc.
Polypeptides and Immunizing Compositions Containing Gram Positive Polypeptides and Methods of Use	9,981,028	US	Vaxxinoa, US, Inc.
Polypeptides From Staphylococcus Aureus and Methods of Use	1853306	EP	Epitopix, LLC
Polypeptides From Staphylococcus Aureus and Methods of Use	6100826	JP	Epitopix, LLC
Polypeptides From Staphylococcus Aureus and Methods of Use	2,597,263	CA	Epitopix, LLC
Polypeptides From Staphylococcus Aureus and Methods of Use	293519	MX	Epitopix, LLC
Polypeptides From Staphylococcus Aureus and Methods of Use	1853306	GB	Epitopix, LLC

Polypeptides From Staphylococcus Aureus and Methods of Use	60 2006 049 349.5	DE	Epitopix, LLC
Polypeptides From Staphylococcus Aureus and Methods of Use	1853306	FR	Epitopix, LLC
Polypeptides From Staphylococcus Aureus and Methods of Use	1853306	NL	Epitopix, LLC
Polypeptides From Staphylococcus Aureus and Methods of Use	502016000087717	IT	Epitopix, LLC
Polypeptides From Staphylococcus Aureus and Methods of Use	2006214534	AU	Epitopix, LLC
Polypeptides From Staphylococcus Aureus and Methods of Use	2012244060	AU	Epitopix, LLC
Polypeptides From Staphylococcus Aureus and Methods of Use	2015258239	AU	Epitopix, LLC
Polypeptides From Staphylococcus Aureus and Methods of Use	ZL200680004903.0	CN	Epitopix, LLC
Polypeptides From Staphylococcus Aureus and Methods of Use	560612	NZ	Epitopix, LLC
Polypeptides From Staphylococcus Aureus and Methods of Use	589238	NZ	Epitopix, LLC
Polypeptides From Staphylococcus Aureus and Methods of Use	613923	NZ	Epitopix, LLC
Polypeptides From Staphylococcus Aureus and Methods of Use	HK1117746	HK	Epitopix, LLC
Polypeptides From Staphylococcus Aureus and Methods of Use	PI0607323-9	BR	Epitopix, LLC
Campylobacter Polypeptides and Methods of Use	10,086,059	US	Vaxxinova US, Inc.
Campylobacter Polypeptides and Methods of Use	1678316	EP	Epitopix, LLC
Campylobacter Polypeptides and Methods of Use	2539074	CA	Epitopix, LLC
Campylobacter Polypeptides and Methods of Use	287394	MX	Epitopix, LLC
Campylobacter Polypeptides and Methods of Use	1678316	GB	Epitopix, LLC
Campylobacter Polypeptides and Methods of Use	602004034016.2	DE	Epitopix, LLC
Campylobacter Polypeptides and Methods of Use	1678316	FR	Epitopix, LLC
Campylobacter Polypeptides and Methods of Use	1678316	NL	Epitopix, LLC
Campylobacter Polypeptides and Methods of Use	1678316	ES	Epitopix, LLC
Campylobacter Polypeptides and Methods of Use	2004274977	AU	Epitopix, LLC
Campylobacter Polypeptides and Methods of Use	546601	NZ	Epitopix, LLC
Campylobacter Polypeptides and Methods of Use	582566	NZ	Epitopix, LLC
Fusobacterium Polypeptides and Methods of Use	9,458,204	US	Vaxxinova US, Inc.
Fusobacterium Polypeptides and Methods of Use	9,487,564	US	Vaxxinova US, Inc.
Fusobacterium Polypeptides and Methods of Use	10,183,974	US	Vaxxinova US, Inc.
Fusobacterium Polypeptides and Methods of Use	1784417	EP	Epitopix, LLC
Fusobacterium Polypeptides and Methods of Use	2,578,041	CA	Epitopix, LLC
Fusobacterium Polypeptides and Methods of Use	291272	MX	Epitopix, LLC
Fusobacterium Polypeptides and Methods of Use	1784417	GB	Epitopix, LLC
Fusobacterium Polypeptides and Methods of Use	602005049383.2	DE	Epitopix, LLC
Fusobacterium Polypeptides and Methods of Use	1784417	FR	Epitopix, LLC
Fusobacterium Polypeptides and Methods of Use	1784417	NL	Epitopix, LLC
Fusobacterium Polypeptides and Methods of Use	2005280147	AU	Epitopix, LLC
Fusobacterium Polypeptides and Methods of Use	553315	NZ	Epitopix, LLC
Yersinia SPP Polypeptides and Methods of Use	8,563,004	US	Vaxxinova US, Inc.
Yersinia SPP Polypeptides and Methods of Use	9,085,612	US	Vaxxinova US, Inc.
Yersinia SPP Polypeptides and Methods of Use	9,109,018	US	Vaxxinova US, Inc.
Yersinia SPP Polypeptides and Methods of Use	9,085,613	US	Vaxxinova US, Inc.

Yersinia SPP Polypeptides and Methods of Use	9,221,899	US	Vaxxinova US, Inc.
Yersinia SPP Polypeptides and Methods of Use	9,352,029	US	Vaxxinova US, Inc.
Yersinia SPP Polypeptides and Methods of Use	9,801,932	US	Vaxxinova US, Inc.
Yersinia SPP Polypeptides and Methods of Use	1848732	EP	Epitopix, LLC
Yersinia SPP Polypeptides and Methods of Use	6178059	JP	Epitopix, LLC
Yersinia SPP Polypeptides and Methods of Use	6224655	JP	Epitopix, LLC
Yersinia SPP Polypeptides and Methods of Use	291270	MX	Epitopix, LLC
Yersinia SPP Polypeptides and Methods of Use	1848732	GB	Epitopix, LLC
Yersinia SPP Polypeptides and Methods of Use	602006049716.40	DE	Epitopix, LLC
Yersinia SPP Polypeptides and Methods of Use	1848732	FR	Epitopix, LLC
Yersinia SPP Polypeptides and Methods of Use	1848732	NL	Epitopix, LLC
Yersinia SPP Polypeptides and Methods of Use	502US6000093942.00	IT	Epitopix, LLC
Yersinia SPP Polypeptides and Methods of Use	2006206234	AU	Epitopix, LLC
Yersinia SPP Polypeptides and Methods of Use	556651	NZ	Epitopix, LLC
Yersinia SPP Polypeptides and Methods of Use	284401	IN	Epitopix, LLC
Polypeptides and Immunizing Compositions Containing Gram Positive Polypeptides and Methods of Use	9,932,373	US	Vaxxinova US, Inc.
Polypeptides and Immunizing Compositions Containing Gram Positive Polypeptides and Methods of Use	2411046	EP	Epitopix, LLC
Polypeptides and Immunizing Compositions Containing Gram Positive Polypeptides and Methods of Use	6092933	JP	Epitopix, LLC
Polypeptides and Immunizing Compositions Containing Gram Positive Polypeptides and Methods of Use	339461	MX	Epitopix, LLC
Polypeptides and Immunizing Compositions Containing Gram Positive Polypeptides and Methods of Use	2411046	GB	Epitopix, LLC
Polypeptides and Immunizing Compositions Containing Gram Positive Polypeptides and Methods of Use	602010047182.90	DE	Epitopix, LLC
Polypeptides and Immunizing Compositions Containing Gram Positive Polypeptides and Methods of Use	2411046	FR	Epitopix, LLC
Polypeptides and Immunizing Compositions Containing Gram Positive Polypeptides and Methods of Use	2411046	BE	Epitopix, LLC
Polypeptides and Immunizing Compositions Containing Gram Positive Polypeptides and Methods of Use	2US0229498	AU	Epitopix, LLC
Polypeptides and Immunizing Compositions Containing Gram Positive Polypeptides and Methods of Use	2016201992	AU	Epitopix, LLC
Polypeptides and Immunizing Compositions Containing Gram Positive Polypeptides and Methods of Use	ZL2US080023599.0	CN	Epitopix, LLC
Polypeptides and Immunizing Compositions Containing Gram Positive Polypeptides and Methods of Use	595231	NZ	Epitopix, LLC
Polypeptides and Immunizing Compositions Containing Gram Positive Polypeptides and Methods of Use	2011/06959	ZA	Epitopix, LLC

Polypeptides and Immunizing Compositions Containing Gram Positive Polypeptides and Methods of Use	215330	IL	Epitopix, LLC
Proteins and Immunizing Compositions Containing Klebsiella Proteins and Methods of Use	7222711	JP	Epitopix, LLC
Proteins and Immunizing Compositions Containing Klebsiella Proteins and Methods of Use	11,000,582	US	Vaxxinova US, Inc.
Proteins and Immunizing Compositions Containing Klebsiella Proteins and Methods of Use	11,872,273	US	Vaxxinova US, Inc.
Polypeptides and Immunizing Compositions Containing Burkholderia Polypeptides and Methods of Use	10,100,093	US	Vaxxinova US, Inc.
Polypeptides and Immunizing Compositions Containing BacillPolypeptides and Methods of Use	10,166,280	US	Vaxxinova US, Inc.
Polypeptides of Fusobacterium and Methods of Use	11,235,049	US	Vaxxinova US, Inc.
Polypeptides of Fusobacterium and Methods of Use	11,439,699	US	Vaxxinova US, Inc.
Engineered Proteins and Methods of Use	11,318,192	US	Vaxxinova US, Inc.
Proteins and Immunizing Compositions Containing Pasteurella Proteins and Methods of Use	10,967,056	US	Vaxxinova US, Inc.
Proteins and Immunizing Compositions Containing Pasteurella Proteins and Methods of Use	11,696,945	US	Vaxxinova US, Inc.
Proteins and Immunizing Compositions Containing Pasteurella Proteins and Methods of Use	3579864	EP	Epitopix, LLC
Proteins and Immunizing Compositions Containing Pasteurella Proteins and Methods of Use	3579864	DE	Epitopix, LLC
Proteins and Immunizing Compositions Containing Pasteurella Proteins and Methods of Use	3579864	ES	Epitopix, LLC
Proteins and Immunizing Compositions Containing Pasteurella Proteins and Methods of Use	3579864	FR	Epitopix, LLC
Proteins and Immunizing Compositions Containing Pasteurella Proteins and Methods of Use	3579864	GB	Epitopix, LLC
Proteins and Immunizing Compositions Containing Pasteurella Proteins and Methods of Use	3579864	IT	Epitopix, LLC
Proteins and Immunizing Compositions Containing Pasteurella Proteins and Methods of Use	7183168	JP	Epitopix, LLC
Proteins and Immunizing Compositions Containing Pasteurella Proteins and Methods of Use	3579864	NL	Epitopix, LLC