

	E501	Q502	E503	Q504	V505	R506	V507	N508	S509	L510	T511	H512	M513	V514	V515	V516	V517	D518	E519	S520	S521	Q522	D523	H524	A525	T526	A527	A528	L529	E530	E531	Q532	L533	K534	V535	L536	G537	D538	R539	V540	A541	N542	L543	C544	R545	V546	T547	F548	D549	R550	V551	V552	L553	L554	Q555	D556	L557	L558	L559	K560	V561	Q562	R563	L564	T565	F566	E567	Q568	C569	L570	F571	S572	A573	V574	L575	S576	R577	K578	S579	L580	Q581	N582	K583	L584	M585	T586	A587	F588	V589	L590	G591	D592	E593	S594	L595	S596	L597	S598	S599	L600	Q601	K602	L603	A604	V605	L606	G607	D608	R609	V610	A611	N612	L613	K614	K615	K616	K617	Q618	S619	G620	N621	F622	T623	L624	S625	D626	L627	L628	S629	T630	L631	K632	N633	K634	S635	V636	T637	Q638	K639	T640	E641	A642	V643	L644	D645	N646	F647	A648	R649	C650	V651	D652	N653	L654	V655	Q656	K657	L658	E659	K660	S661	T662	A663	Q664	L665	S666	Q667	A668	V669	T670	T671	T672	Q673	P674	S675	L676	T677	Q678	T679	L680	M681	E682	L683	A684	N685	T686	A687	F688	V689	L690	G691	D692	E693	S694	L695	S696	L697	S698	S699	L700	Q701	K702	L703	P704	P705	P706	P707	P708	Q709	K710	K711	R712	Q713	L714	T715	V716	D717	S718	E719	L720	R721	K722	R723	L724	D725	V726	D727	L728	T729	F730	L731	H732	S733	V734	L735	T736	R737	S738	S739	M617	Q618	K619	L620	A621	N622	F623	T624	L625	S626	R627	C628	L629	V630	T631	A632	N633	K634	S635	V636	T637	Q638	K639	T640	E641	A642	V643	L644	D645	N646	F647	A648	R649	C650	V651	D652	N653	L654	V655	Q656	K657	L658	E659	K660	S661	T662	A663	Q664	L665	S666	Q667	A668	V669	T670	T671	T672	Q673	P674	S675	L676	T677	Q678	T679	L680	M681	E682	L683	A684	N685	T686	A687	F688	V689	L690	G691	D692	E693	S694	L695	S696	L697	S698	S699	L700	Q701	K702	L703	P704	P705	P706	P707	P708	Q709	K710	K711	R712	Q713	L714	T715	V716	D717	S718	E719	L720	R721	K722	R723	L724	D725	V726	D727	L728	T729	F730	L731	H732	S733	V734	L735	T736	R737	S738	S739	M617	Q618	K619	L620	A621	N622	F623	T624	L625	S626	R627	C628	L629	V630	T631	A632	N633	K634	S635	V636	T637	Q638	K639	T640	E641	A642	V643	L644	D645	N646	F647	A648	R649	C650	V651	D652	N653	L654	V655	Q656	K657	L658	E659	K660	S661	T662	A663	Q664	L665	S666	Q667	A668	V669	T670	T671	T672	Q673	P674	S675	L676	T677	Q678	T679	L680	M681	E682	L683	A684	N685	T686	A687	F688	V689	L690	G691	D692	E693	S694	L695	S696	L697	S698	S699	L700	Q701	K702	L703	P704	P705	P706	P707	P708	Q709	K710	K711	R712	Q713	L714	T715	V716	D717	S718	E719	L720	R721	K722	R723	L724	D725	V726	D727	L728	T729	F730	L731	H732	S733	V734	L735	T736	R737	S738	S739	M617	Q618	K619	L620	A621	N622	F623	T624	L625	S626	R627	C628	L629	V630	T631	A632	N633	K634	S635	V636	T637	Q638	K639	T640	E641	A642	V643	L644	D645	N646	F647	A648	R649	C650	V651	D652	N653	L654	V655	Q656	K657	L658	E659	K660	S661	T662	A663	Q664	L665	S666	Q667	A668	V669	T670	T671	T672	Q673	P674	S675	L676	T677	Q678	T679	L680	M681	E682	L683	A684	N685	T686	A687	F688	V689	L690	G691	D692	E693	S694	L695	S696	L697	S698	S699	L700	Q701	K702	L703	P704	P705	P706	P707	P708	Q709	K710	K711	R712	Q713	L714	T715	V716	D717	S718	E719	L720	R721	K722	R723	L724	D725	V726	D727	L728	T729	F730	L731	H732	S733	V734	L735	T736	R737	S738	S739	M617	Q618	K619	L620	A621	N622	F623	T624	L625	S626	R627	C628	L629	V630	T631	A632	N633	K634	S635	V636	T637	Q638	K639	T640	E641	A642	V643	L644	D645	N646	F647	A648	R649	C650	V651	D652	N653	L654	V655	Q656	K657	L658	E659	K660	S661	T662	A663	Q664	L665	S666	Q667	A668	V669	T670	T671	T672	Q673	P674	S675	L676	T677	Q678	T679	L680	M681	E682	L683	A684	N685	T686	A687	F688	V689	L690	G691	D692	E693	S694	L695	S696	L697	S698	S699	L700	Q701	K702	L703	P704	P705	P706	P707	P708	Q709	K710	K711	R712	Q713	L714	T715	V716	D717	S718	E719	L720	R721	K722	R723	L724	D725	V726	D727	L728	T729	F730	L731	H732	S733	V734	L735	T736	R737	S738	S739	M617	Q618	K619	L620	A621	N622	F623	T624	L625	S626	R627	C628	L629	V630	T631	A632	N633	K634	S635	V636	T637	Q638	K639	T640	E641	A642	V643	L644	D645	N646	F647	A648	R649	C650	V651	D652	N653	L654	V655	Q656	K657	L658	E659	K660	S661	T662	A663	Q664	L665	S666	Q667	A668	V669	T670	T671	T672	Q673	P674	S675	L676	T677	Q678	T679	L680	M681	E682	L683	A684	N685	T686	A687	F688	V689	L690	G691	D692	E693	S694	L695	S696	L697	S698	S699	L700	Q701	K702	L703	P704	P705	P706	P707	P708	Q709	K710	K711	R712	Q713	L714	T715	V716	D717	S718	E719	L720	R721	K722	R723	L724	D725	V726	D727	L728	T729	F730	L731	H732	S733	V734	L735	T736	R737	S738	S739	M617	Q618	K619	L620	A621	N622	F623	T624	L625	S626	R627	C628	L629	V630	T631	A632	N633	K634	S635	V636	T637	Q638	K639	T640	E641	A642	V643	L644	D645	N646	F647	A648	R649	C650	V651	D652	N653	L654	V655	Q656	K657	L658	E659	K660	S661	T662	A663	Q664	L665	S666	Q667	A668	V669	T670	T671	T672	Q673	P674	S675	L676	T677	Q678	T679	L680	M681	E682	L683	A684	N685	T686	A687	F688	V689	L690	G691	D692	E693	S694	L695	S696	L697	S698	S699	L700	Q701	K702	L703	P704	P705	P706	P707	P708	Q709	K710	K711	R712	Q713	L714	T715	V716	D717	S718	E719	L720	R721	K722	R723	L724	D725	V726	D727	L728	T729	F730	L731	H732	S733	V734	L735	T736	R737	S738	S739	M617	Q618	K619	L620	A621	N622	F623	T624	L625	S626	R627	C628	L629	V630	T631	A632	N633	K634	S635	V636	T637	Q638	K6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