

pET-42a(+) Restriction Sites

Enzyme	# Sites	Locations					Enzyme	# Sites	Locations					Enzyme	# Sites	Locations				
AccI	2	196	3555				EagI	1	182					SgrAI	1	1240				
AcII	74						EarI	4	1009	1539	3669	4800		SmaI	1	4861				
AflIII	3	849	1921	3785			Eco47III	2	1326	3039				SpeI	1	421				
AluI	25						Eco57I	1	4333					SphI	1	1396				
AlwI	12						EcoNI	3	1080	1456	4899			Sse8387I	1	214				
Alw26I	6	1618	2023	2149	2536	3426	EcoO109I	4	53	1056	1354	2791		SspI	2	4912	5480			
		5003					EcoRI	1	235					StuI	1	226				
AlwNI	1	4201					EcoRII	10	581	1644	1959	2499	2556	StyI	4	57	131	221	255	
Apal	1	2132							3811	3932	3945	4875	5232	Swal	1	664				
ApalI	3	1901	3599	4099			EcoRV	1	251					Tal	16					
ApoI	7	235	328	2196	4600	4784	FauI	18						TaqI	19					
		5490	5501				Fnu4HI	40						TfiI	8	2600	2835	3339	3760	4898
AscI	1	216					FokI	13								4954	5126	5217		
AvaI	2	174	4859				HaeII	13						Thal	39					
Avall	5	259	594	2473	2791	3070	HaeIII	24						TseI	24					
AvrII	1	131					HgaI	13						Tsp45I	6	2102	3224	3437	3532	5134
BamHI	1	241					HhaI	46								5861				
BanI	9	292	377	1243	1264	1378	HincII	2	197	2427				Tsp509I	29					
		1841	2560	2690	5725		HindIII	1	189					TspRI	11					
BanII	6	206	1305	1319	2132	4642	HinfI	17						Tth111I	1	3530				
		5763					HpaI	1	2427					VspI	6	139	1178	2606	2665	5186
BbsI	3	2067	2406	2903			HphI	21								5375				
BbvI	24						KpnI	1	296					XbaI	1	1129				
BcgI	4	210	1029	2213	3396		MaellI	16						XcmI	3	1777	2293	2311		
Bcgl'	4	176	1063	2247	3362		MboII	15						XhoI	1	174				
BclI	2	653	1935				MluI	1	1921					XmnI	3	698	3343	5376		
Bfal	10	70	132	422	1077	1130	MnlI	25												
		2764	2799	4280	4587	5839	MscI	1	884											
BglII	1	299					MseI	31												
BpmI	3	1759	2248	3312			MslI	7	997	1973	2261	2291	2772							
Bpu10I	2	2891	5004						2967	3358										
Bpu1102I	1	80					MspI	28												
BsaAI	2	3537	5688				MspA1I	10	84	341	389	1951	2521							
BsaBI	3	1194	1204	2982					2614	3376	3495	4127	4372							
BsaHI	5	1244	1265	1379	1878	2561	MunI	1	357											
BsaJI	12						MwoI	36												
BsaWI	9	2	277	289	2240	2743	NarI	4	1244	1265	1379	2561								
		2974	3991	4138	5122		NciI	12												
BsgI	4	807	1772	1972	2945		NcoI	1	255											
BsiEI	5	185	2706	3701	4125	4987	NdeI	1	1091											
BsiHKA1	7	175	206	1421	1905	2779	NgoAIV	2	1231	5789										
		3603	4103				NlaIII	29												
BsII	28						NlaIV	23												
BsmI	2	4871	4948				NotI	1	182											
BsmBI	3	2536	3426	5003			NruI	1	4644											
BsmFI	5	252	1100	1382	3056	5903	NsiI	2	4837	5103										
Bsp1286I	12						NspI	5	853	1396	3130	3422	3789							
BspEI	2	2	2974				NspV	2	326	692										
BspLU11I	2	849	3785				PfiMI	3	318	1503	5250									
BsrI	20						PinAI	1	289											
BsrBI	5	800	1150	3718	5386	5832	PleI	9	1178	1470	1557	2353	3679							
BsrDI	2	1968	2334						4164	5219	5623	5631								
BsrFI	6	289	1231	1240	1607	4941	PshAI	1	264											
		5789					Psp1406I	3	1583	3110	5473									
BsrGI	1	229					Psp5II	1	2791											
BssHII	2	216	2332				PstI	1	214											
BssSI	1	3958					PvuI	1	4987											
Bst1107I	1	3556					PvuII	3	2521	2614	3376									
BstEII	1	2102					RcaI	3	1319	4505	5380									
BstXI	3	1723	1852	1975			RsaI	7	231	294	366	518	2068							
BstYI	8	241	299	1485	2697	2977			3591	4822										
		4426	4437	5236			SacI	1	206											
Cac8I	43						SacII	1	390											
Clal	2	1198	4678				Sall	1	195											
CviJI	89						SapI	2	1009	3669										
DdeI	11						Sau3AI	23												
DpnI	23						Sau96I	14												
DraI	2	555	664				ScaI	2	366	518										
DraIII	1	5688					ScrFI	22												
DrdI	3	3478	3893	5643			SfaNI	24												
Dsal	3	255	387	1358			Sfcl	5	210	1163	4050	4241	5907							
EaeI	5	182	882	1229	1361	2595	Sgfi	1	4987											

Enzymes that do not cut pET42a(+):

AatII	AflII	AhdI	BglI	BsaI	BseRI
BspMI	Bsu36I	FseI	FspI	NheI	PacI
PmeI	PmlI	RsrII	SanDI	SexAI	SfiI
SnaBI	SrfI	SunI	UbaEI		