

Figure S1 Haemolytic value of 214 *Staphylococcus aureus* isolates

Figure S1
A

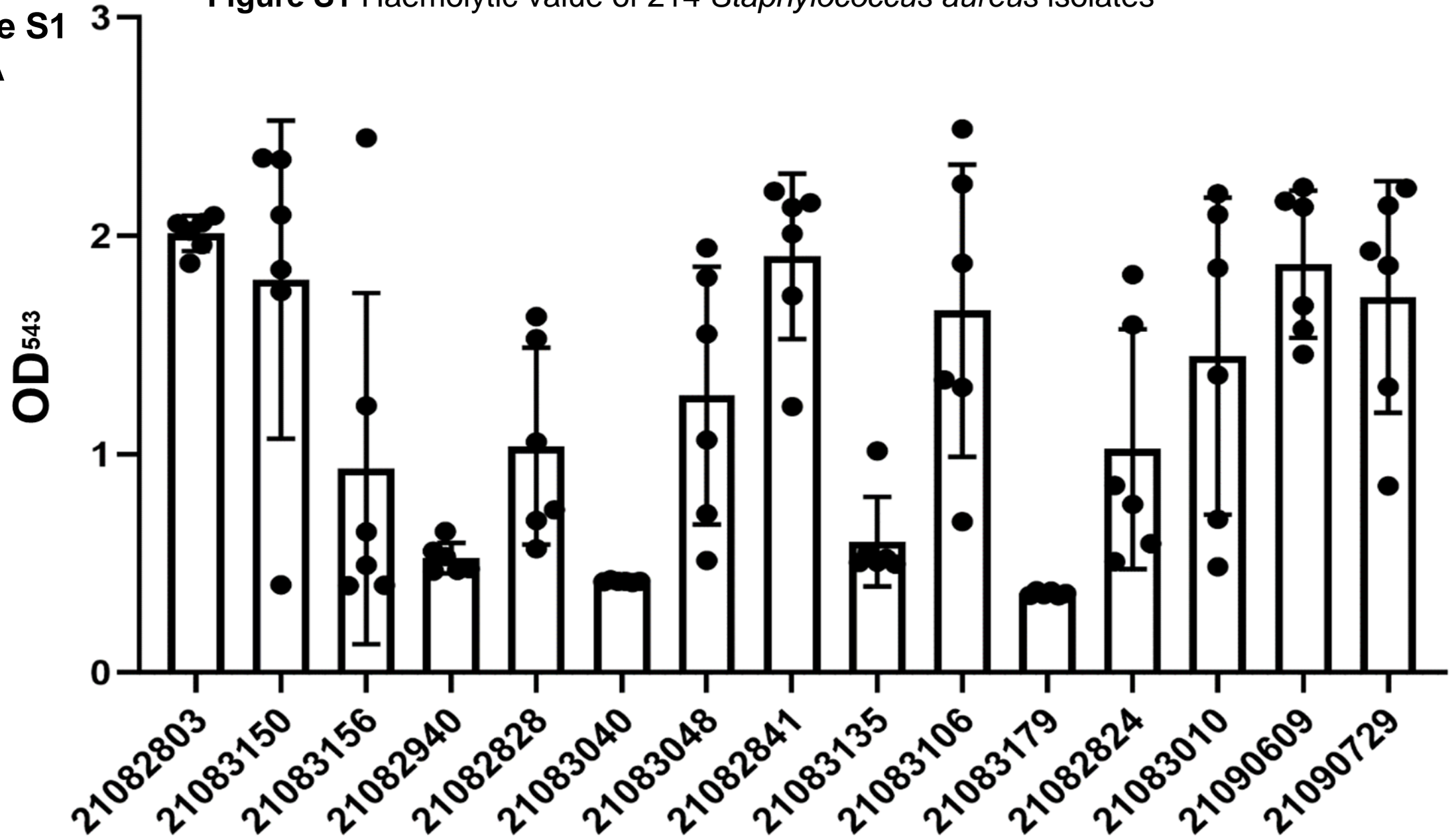


Figure S1

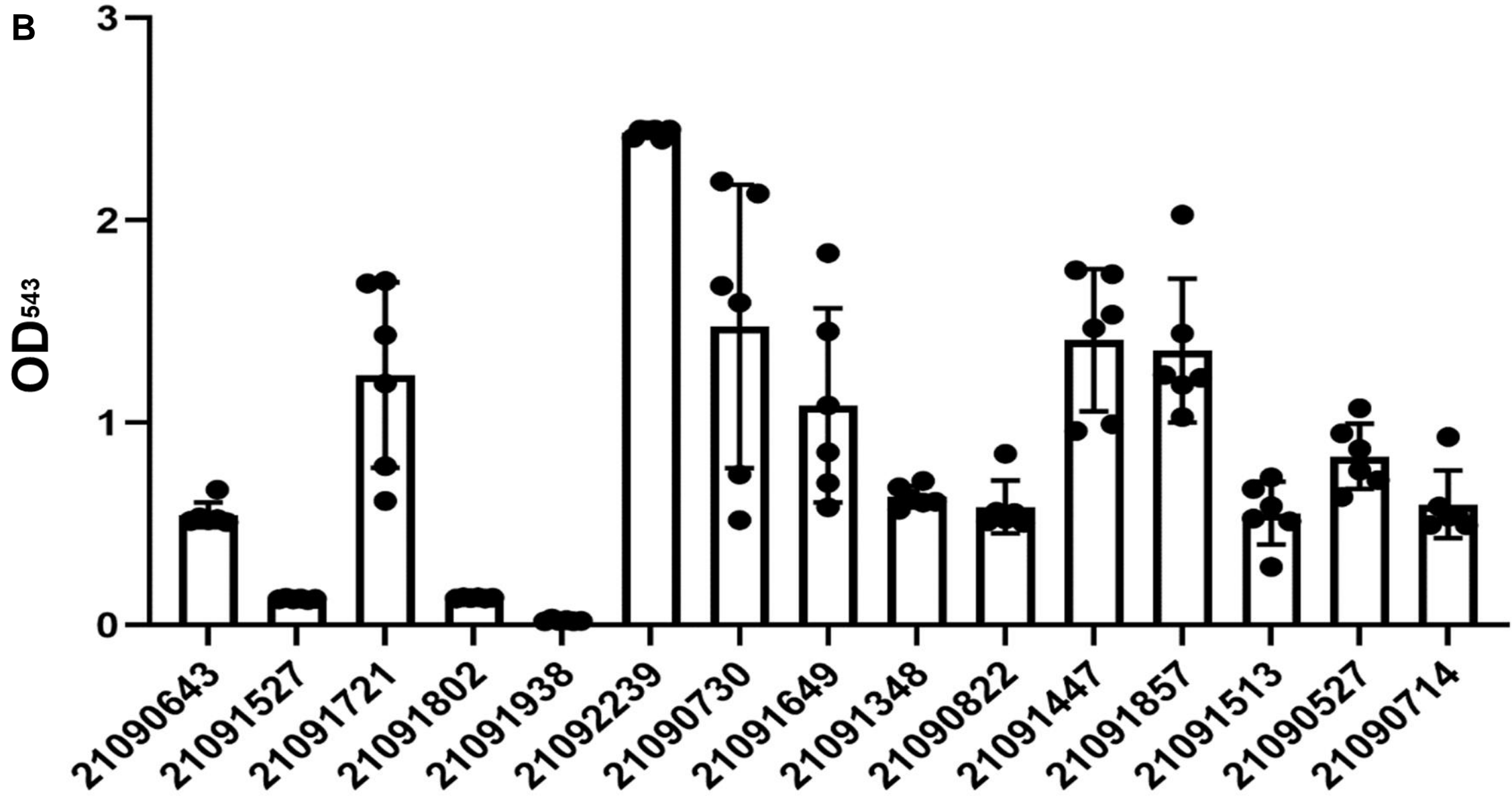


Figure S1

C

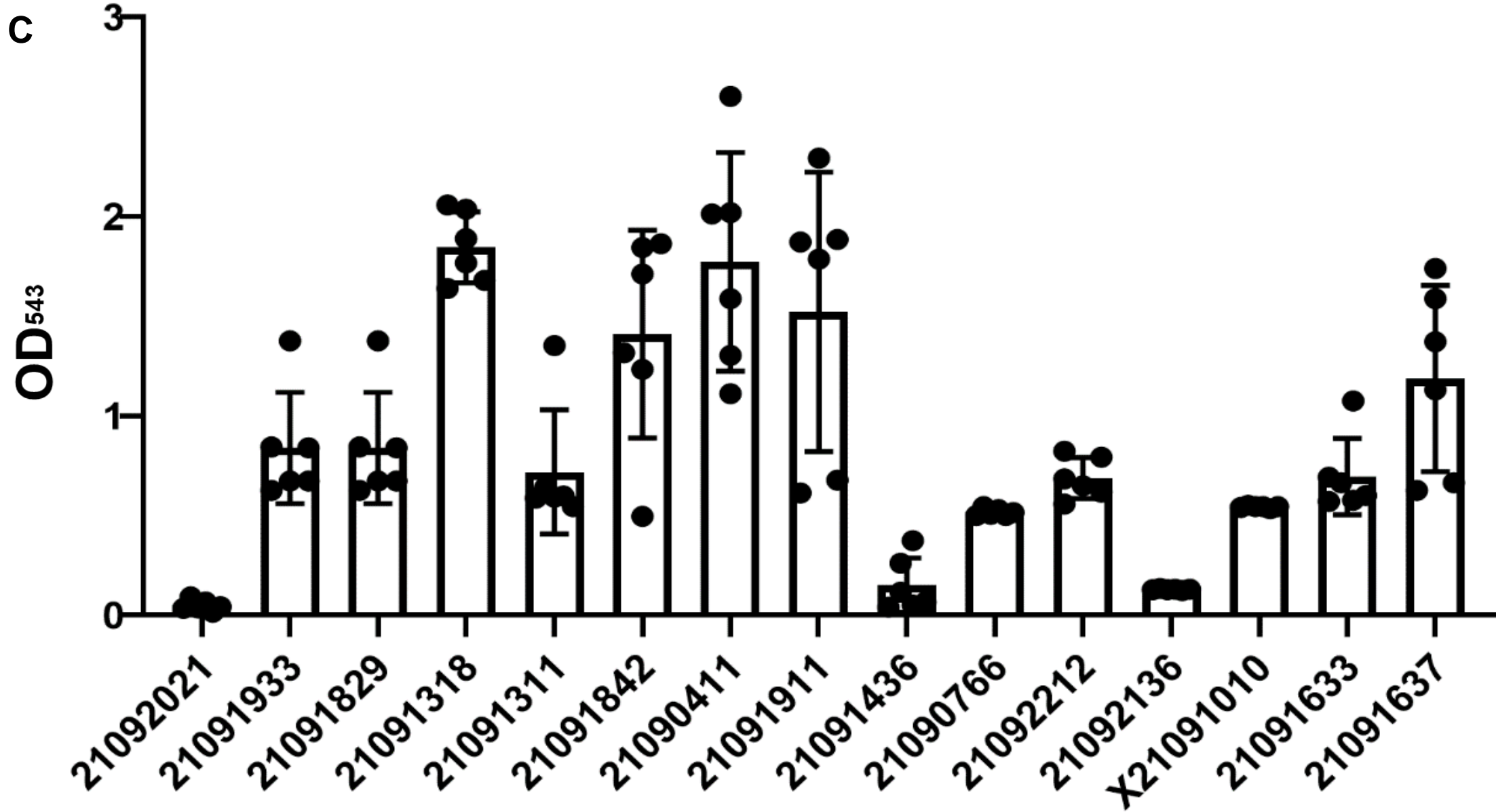


Figure S1
D

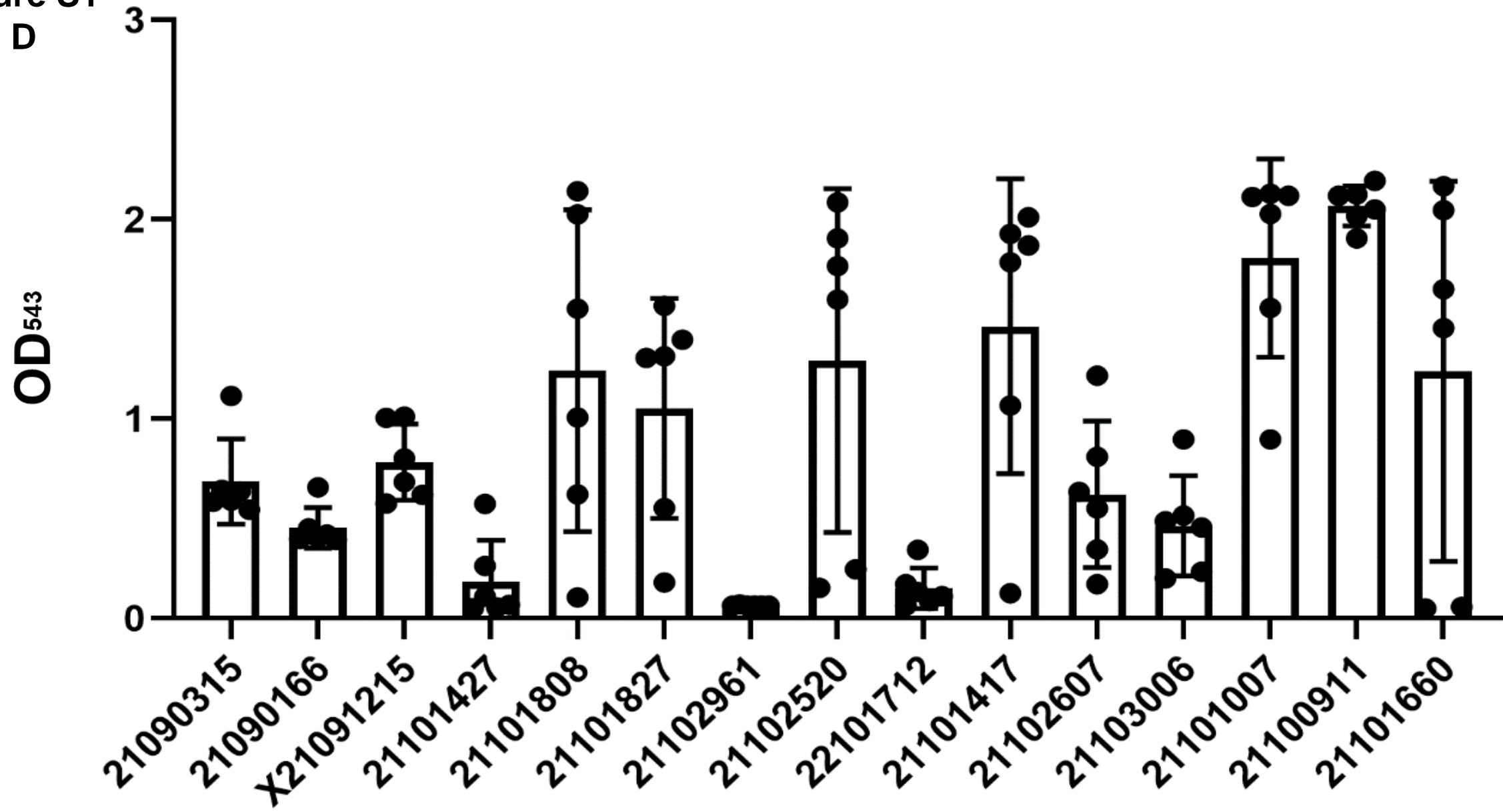


Figure S1

E

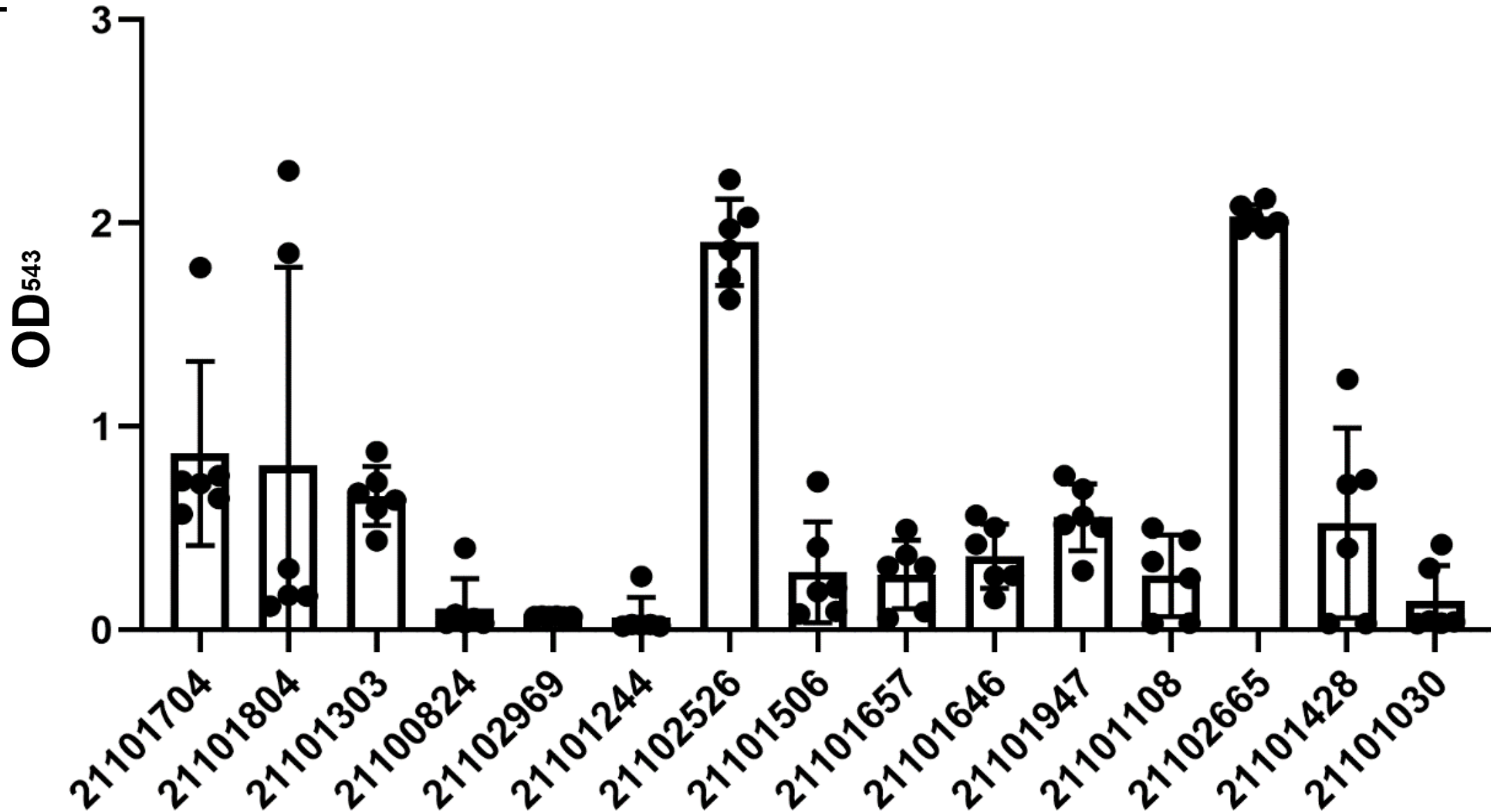


Figure S1
F

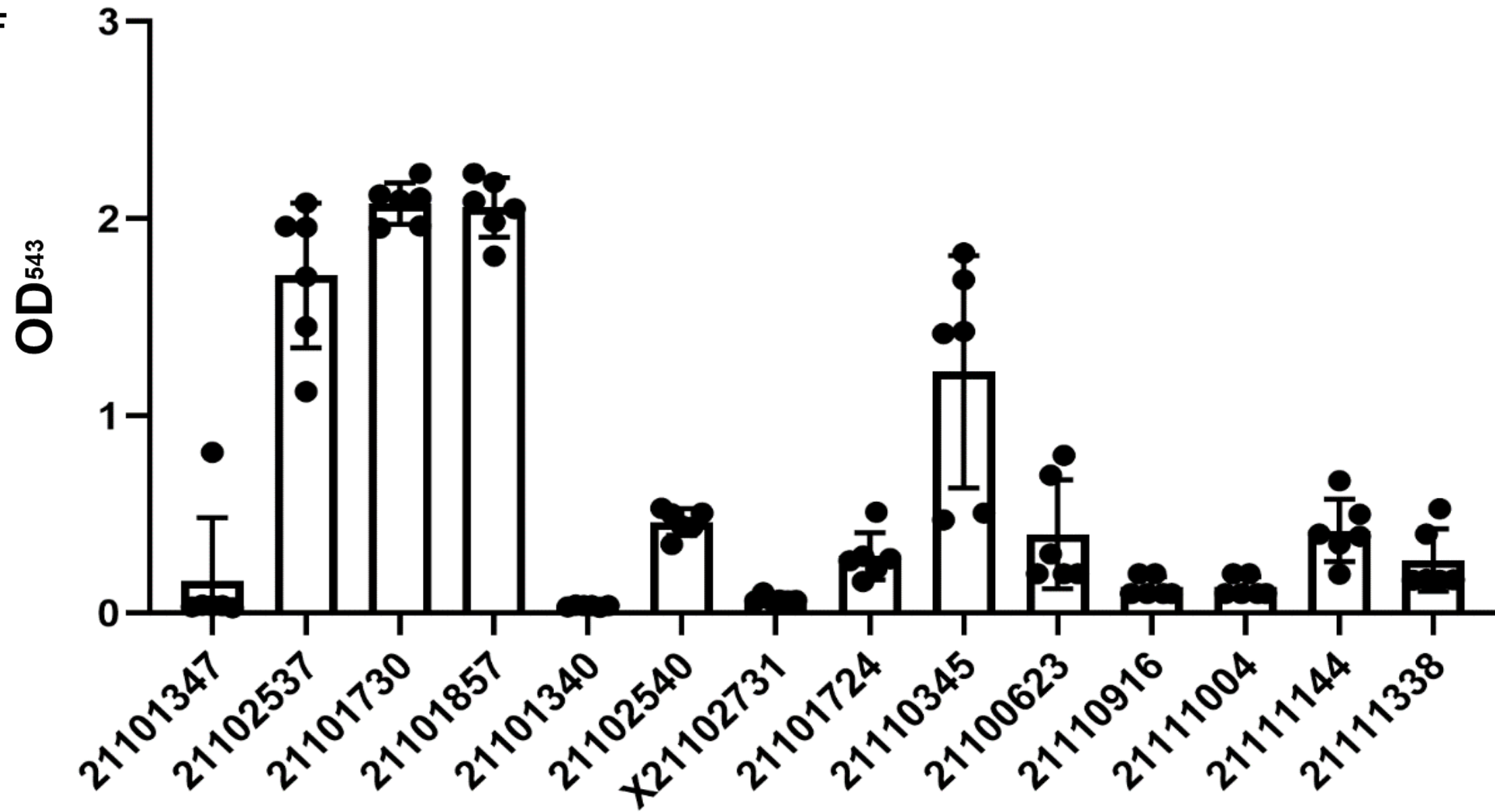


Figure S1
G

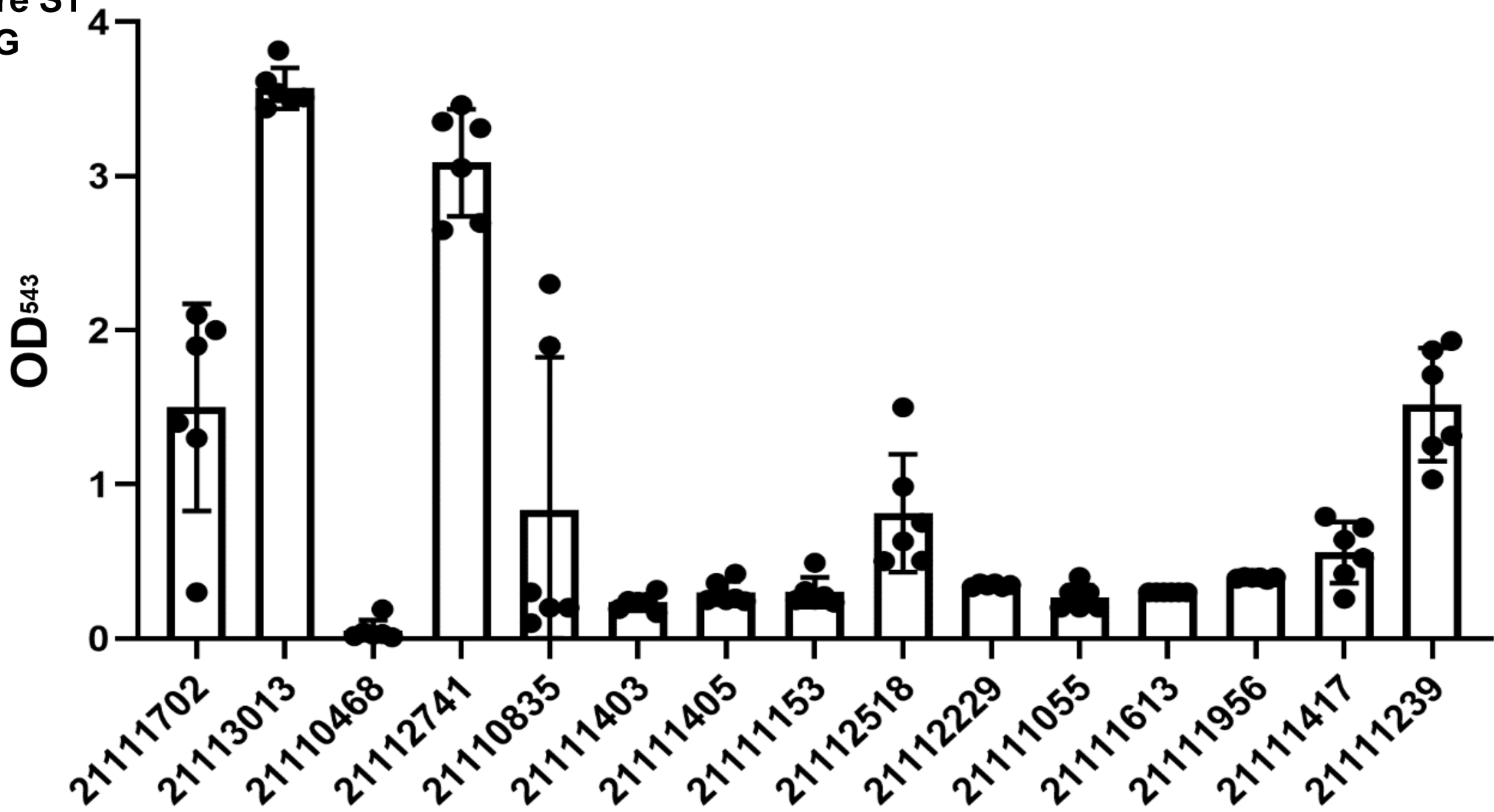


Figure S1
H

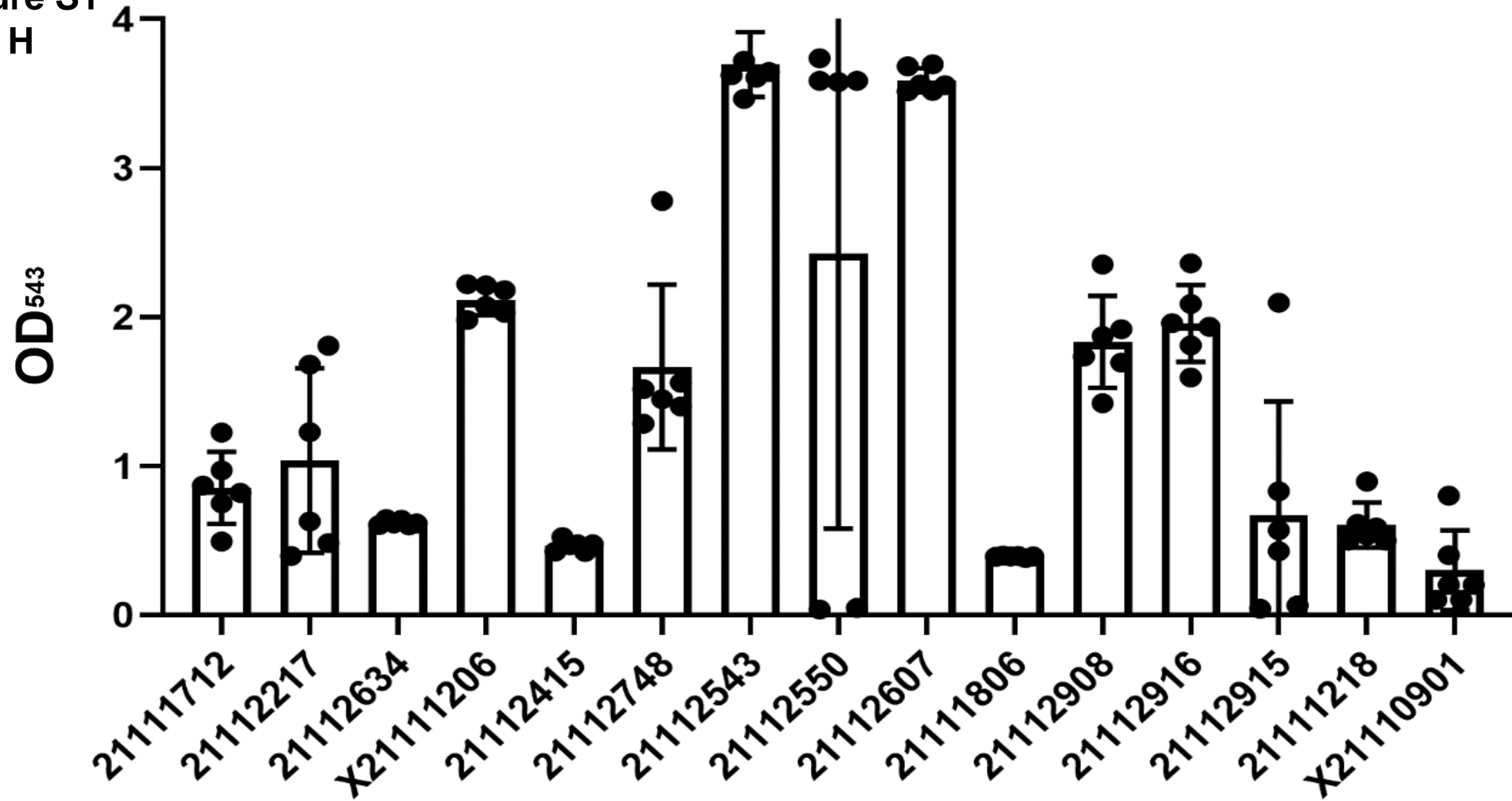


Figure S1

I

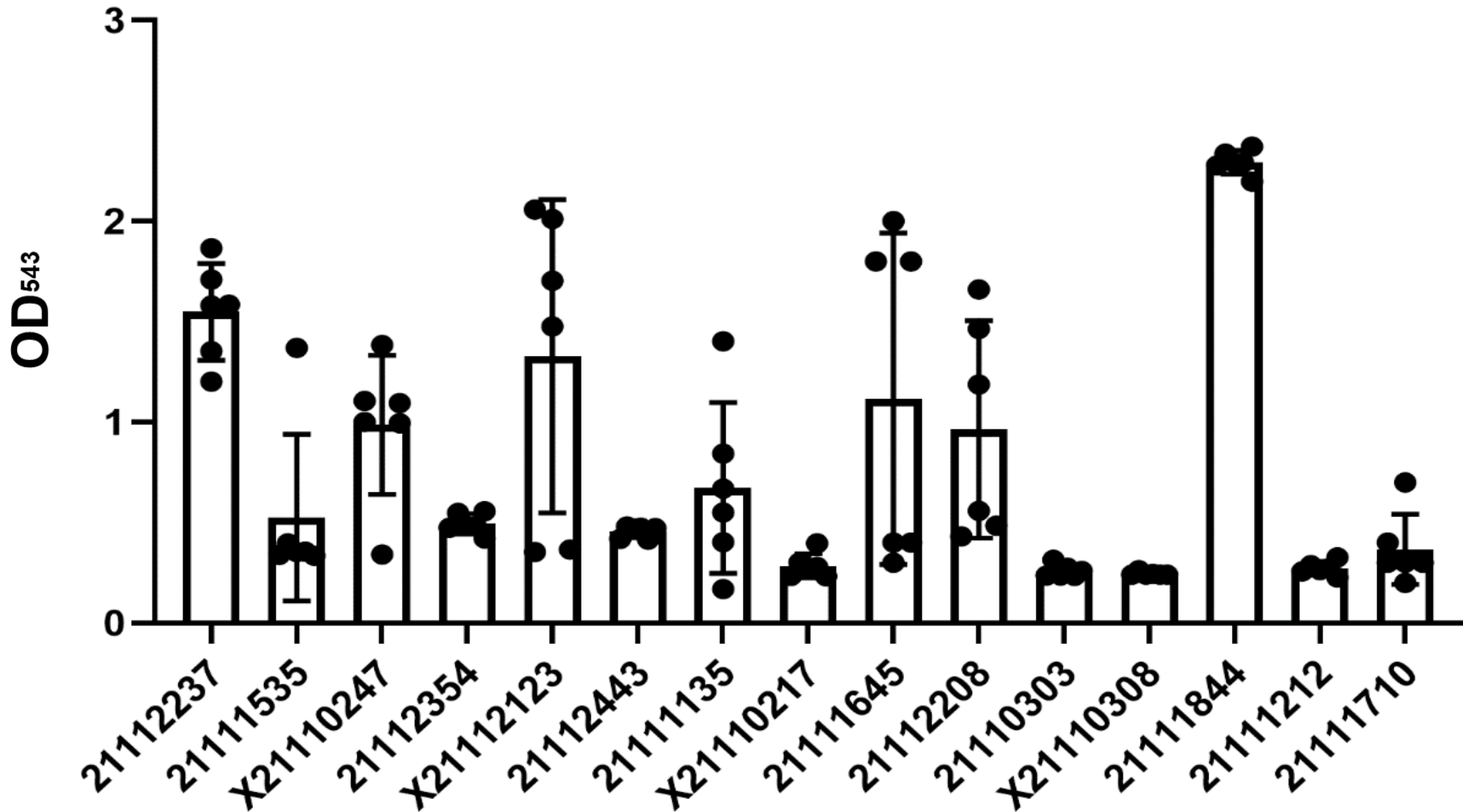


Figure S1

J

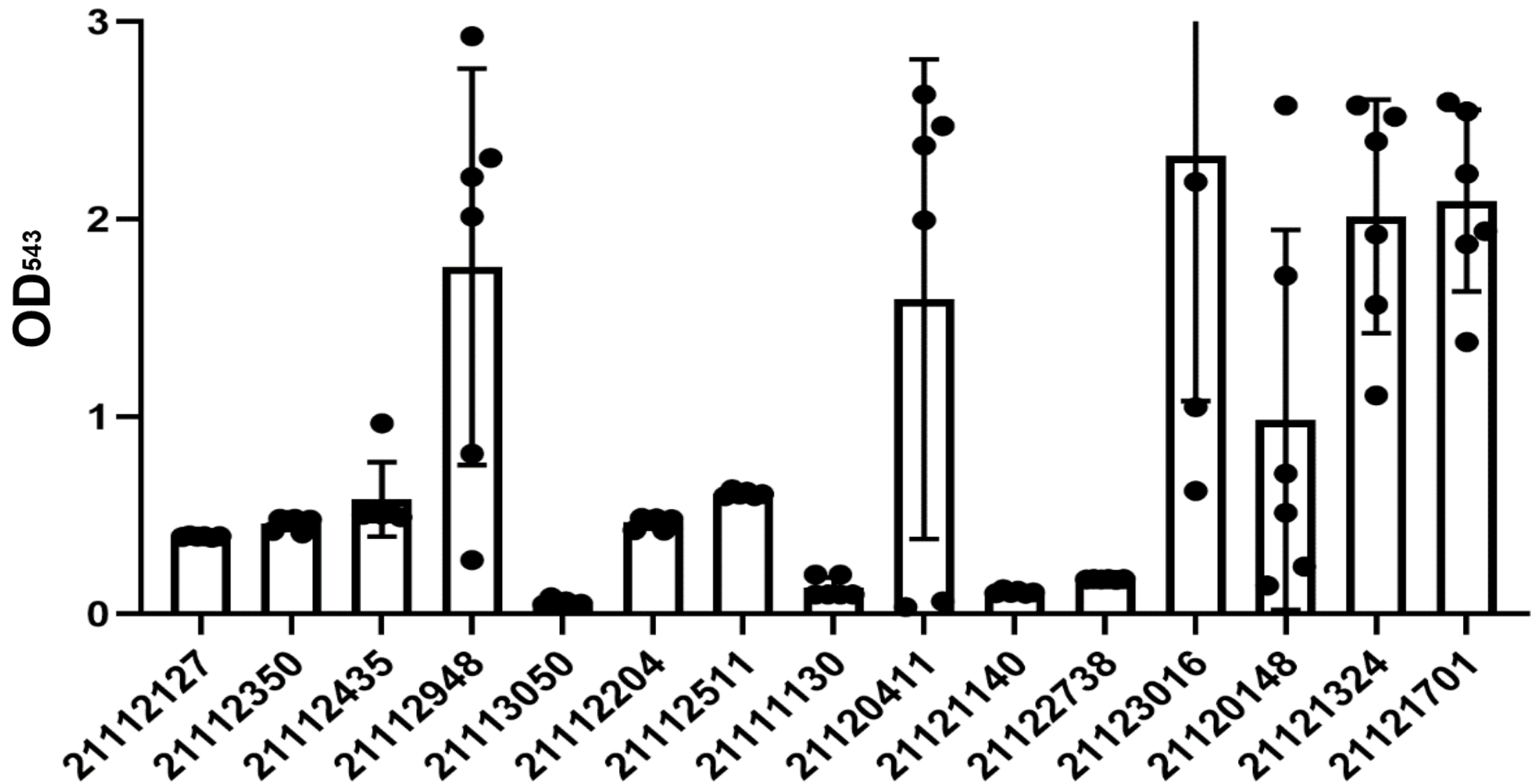


Figure S1

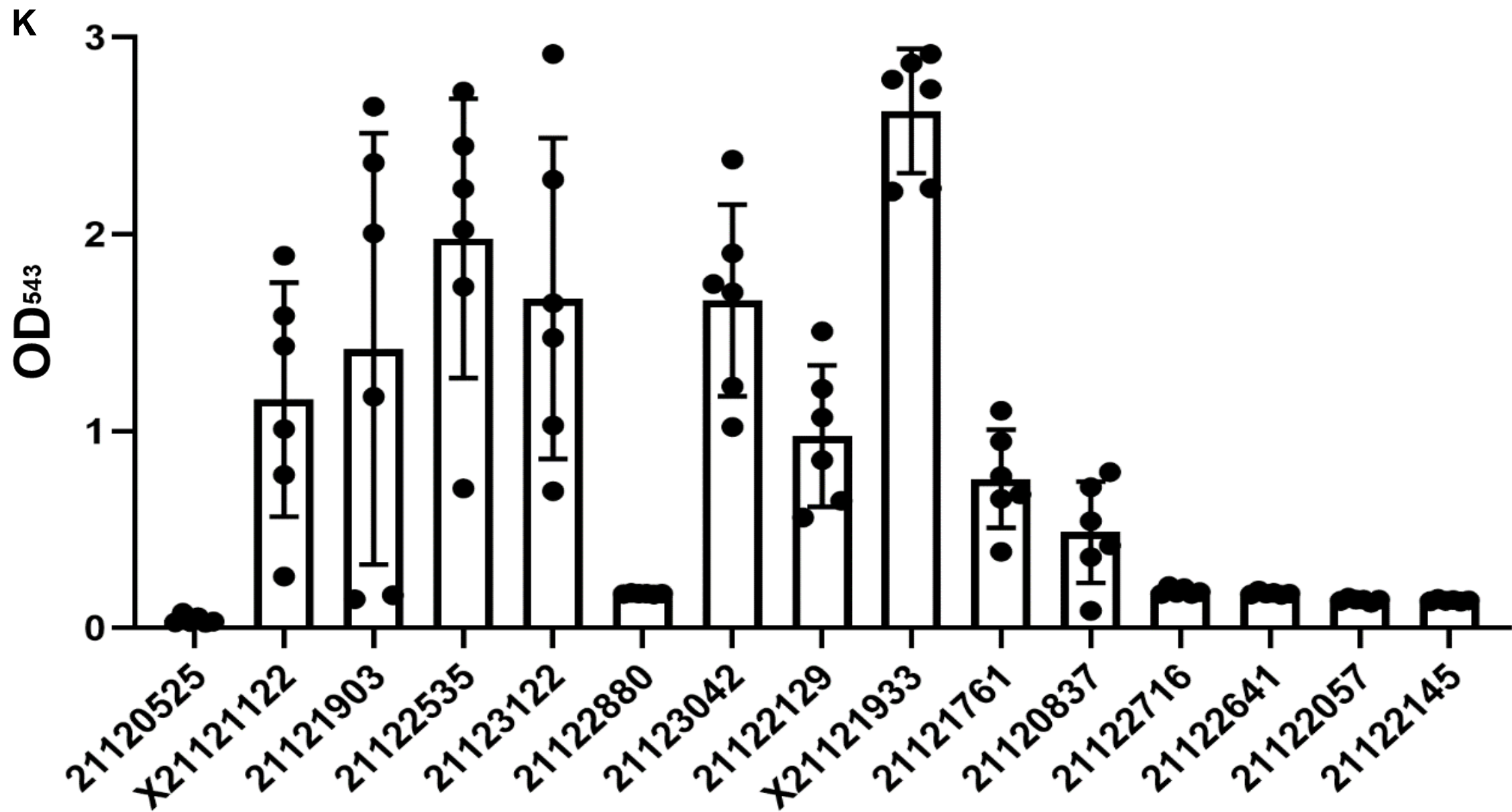


Figure S1

L

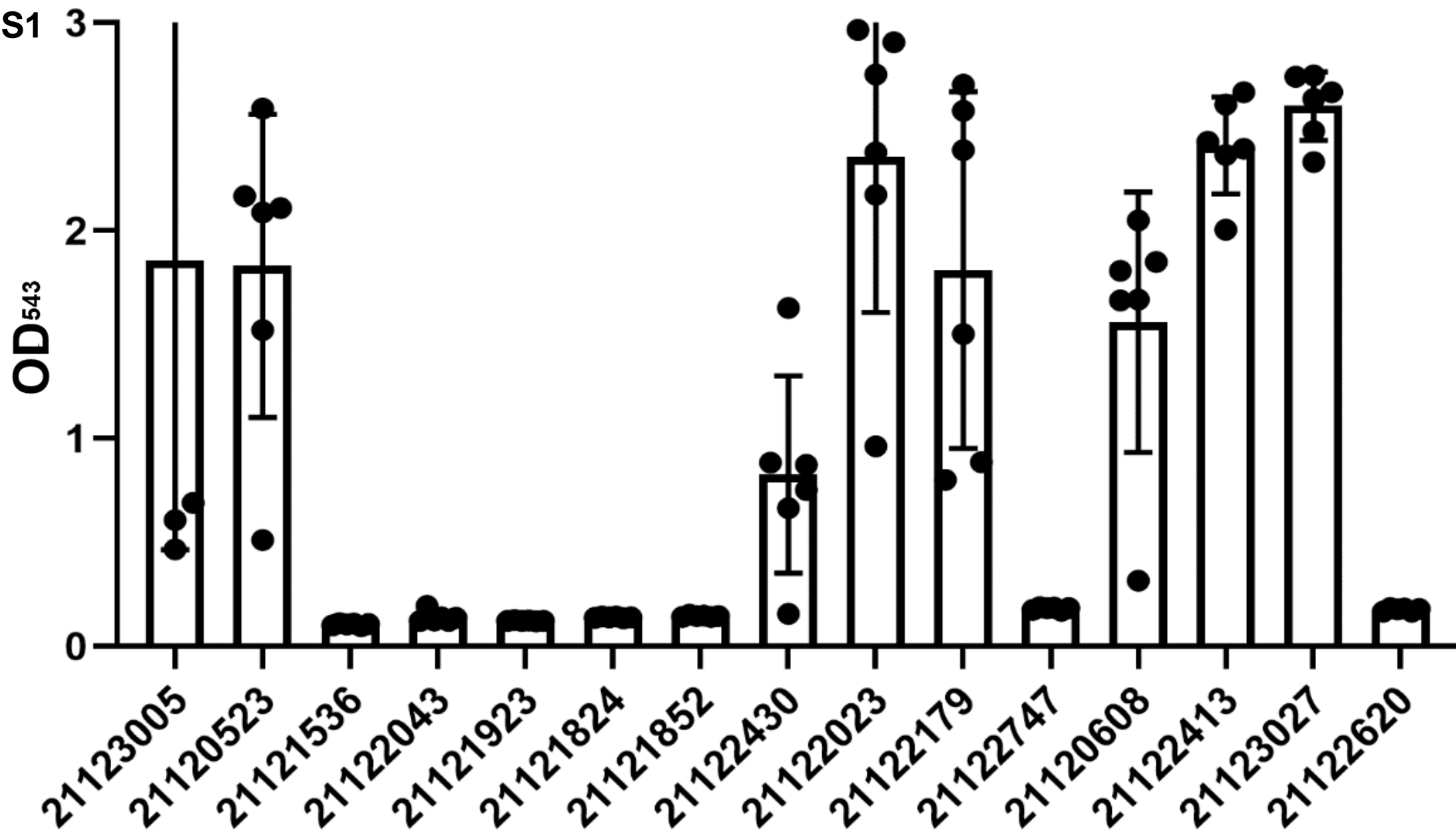


Figure S1

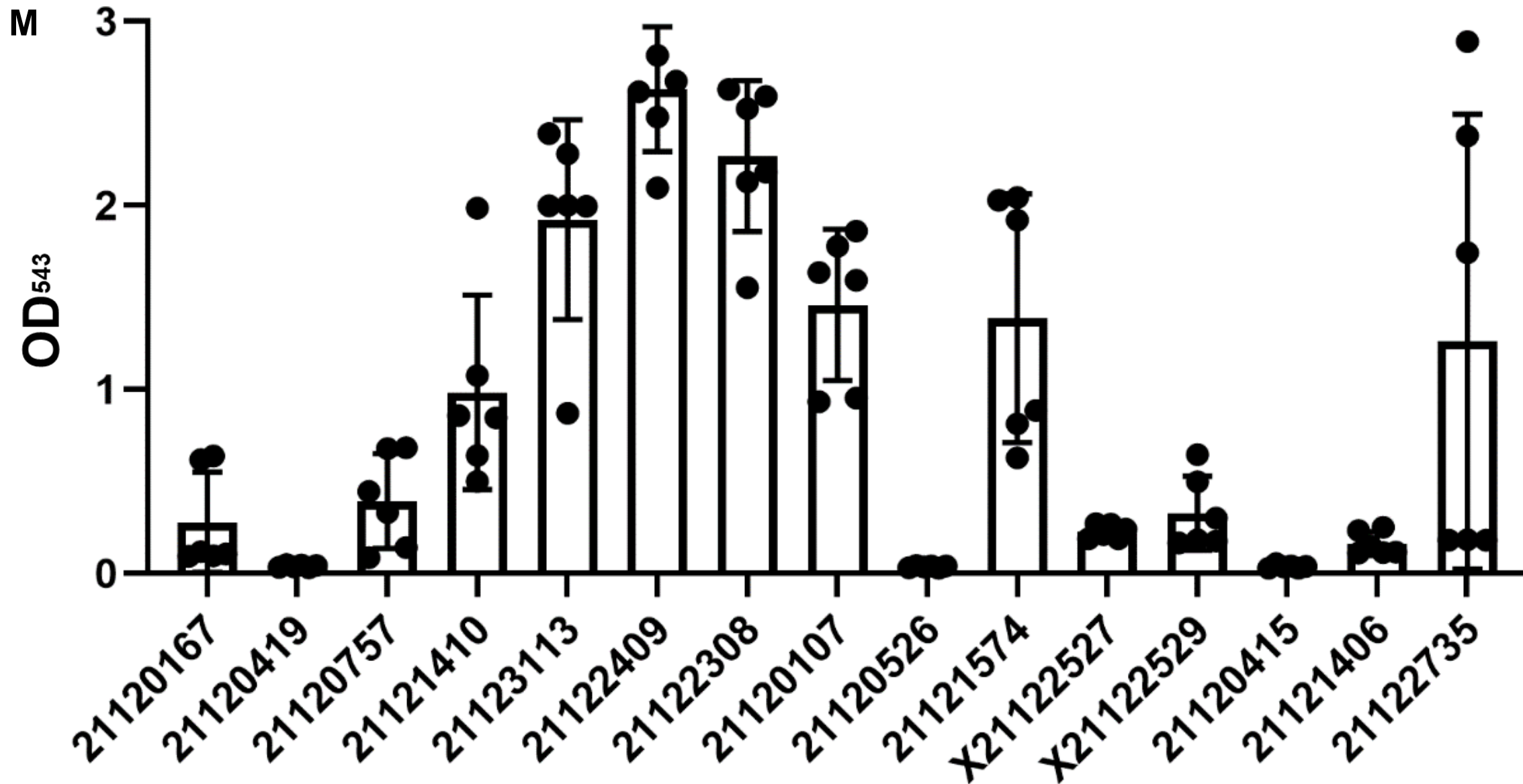
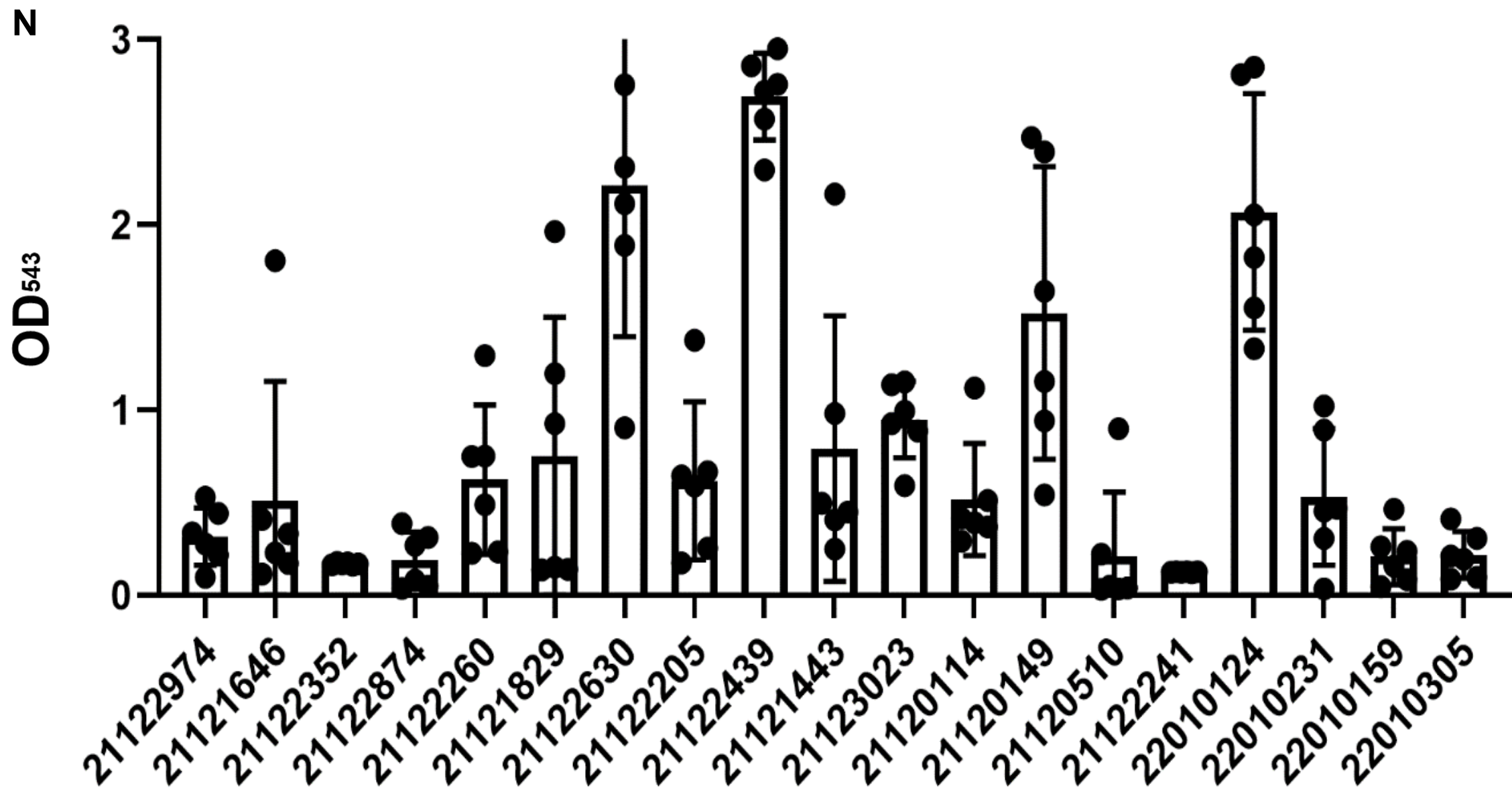


Figure S1



Supplementary Table 1 Basic clinical information of 82 MDR *Klebsiella pneumoniae* isolates

Isolate	Age	Underlying disease	Source	Data collected	Ward	MLST
KP2000557	88/ M	Intracerebral hemorrhage	Blood	2020/01/12	Neurosurgery ward	ST751
FRPDR	61/ M	Intracerebral hemorrhage	Sputum	2020/5/06	Neurosurgery ward	ST11
21072123	46/ M	Acute leukemia	Blood	2021/07/21	Hematology ward	ST307
21072129	60/ M	Acute leukemia	Blood	2021/07/21	Hematology ward	ST348
21072133	60/ M	Acute leukemia	Blood	2021/07/21	Hematology ward	ST348
21072205	66/ M	Intracerebral hemorrhage	Blood	2021/07/21	Intensive medicine ward	ST307
21072329	92/ M	Vascular dementia	Sputum	2021/07/23	General ward	ST11
21072426	1/F	Pneumonia	Sputum	2021/07/24	Pediatric intensive care unit	ST37
21072515	39/	Pneumoconiosis	Sputum	2021/07/25	Intensive	ST524

	M				medicine	
					ward	
21072527	92/	Vascular	Sputum	2021/07/25	General ward	ST1883
	M	dementia				
21072648	70/	Biliary tract	Bile	2021/07/26	Interventional	ST3409
	M	infection			radiation	
					ward	
21072728	80/	Subarachnoid	Sputum	2021/07/27	Intensive	ST107
	M	hemorrhage			medicine	
					ward	
21072928	92/	Vascular	Urine	2021/07/29	General ward	ST11
	M	dementia				
21073066	27/	Multiple Trauma	Pleural	2021/07/30	ICU	ST15
	M		effusion			
21073160	19/	Thrombocytopen	Cerebrospinal	2021/07/31	Intensive	ST11
	M	ia	fluid		medicine	
					ward	
21073164	62/	Skin infection	Pus	2021/07/31	Dermatology	ST307
	M				Ward	
21080237	27/	Infection	Pleural	2021/08/02	Emergency	ST11
	M		effusion		ward	
21080534	32/	Pain	Pleural	2021/08/04	Traumatology	ST11

	M		effusion			ward	
21080631	27/	Infection	Sputum	2021/08/06	Emergency	ST11	
	M		27/M			ward	
			Infection				
21080937	93/	Jaundice	Sputum	2021/08/09	Intensive	ST11	
	M				medicine		
					ward		
21080950	54/	Multiple Trauma	Pleural	2021/08/09	Intensive	ST15	
	M		effusion		medicine		
					ward		
21080960	54/	Multiple Trauma	Pleural	2021/08/09	Intensive	ST15	
	M		effusion		medicine		
					ward		
21081153	32/F	Acute leukemia	Other	2021/08/11	Hematology	ST678	
			specime		ward		
			ns				
21081212	92/F	Cerebrovascular	Urine	2021/08/12	General ward	ST15	
		insufficiency					
21081224	32/F	Stomach cancer	Pleural	2021/08/12	Intensive	ST1271	
			effusion		medicine		
					ward		
21081241	70/	Pneumonia	Sputum	2021/08/12	Intensive	ST15	

	M					medicine ward	
21083181	58/F	Intracerebral hemorrhage	Urine	2021/08/31	General ward	ST11	
21090105	41/ M	Coronary heart disease	Sputum	2021/08/31	Cardiovascul ar surgery ward	ST307	
21090324	53/ M	Multiple Trauma	Sputum	2021/09/03	Neurosurgery ward	ST1644	
21090736	47/ M	Myocardial infarction	Sputum	2021/09/07	Intensive medicine ward	ST219	
21090924	16/ M	Central nervous system infection	Sputum	2021/09/09	Intensive medicine ward	ST709	
21091025	79/ M	Chronic obstructive pulmonary disease	Sputum	2021/09/10	Intensive medicine ward	ST11	
21091072	66/ M	Respiratory failure	Sputum	2021/09/10	Intensive medicine ward	ST2571	

21091216	53/ M	Multiple Trauma	Sputum	2021/09/12	Neurosurgery ward	ST15
21091253	79/ M	Mesenteric artery thrombosis	Sputum	2021/09/13	Intensive medicine ward	ST15
21092036	72/ M	Pancreatic tumor	Pleural effusion	2021/09/20	General surgery ward	ST211
21100711	90/ M	Pneumonia	Sputum	2021/10/07	Emergency medicine ward	ST11
21101834	16/ M	Central nervous system infection	Sputum	2021/10/18	Intensive medicine ward	ST11
21102030	68/F	Pneumonia	Sputum	2021/10/19	Intensive medicine ward	ST412
21102214	34/ M	Stomach ache	Sputum	2021/10/22	Intensive medicine ward	NA
21102853	64/ M	Dysfunction after artificial knee replacement	Pleural effusion	2021/10/28	Orthopedic ward	ST37

21103127	80/ M	Pneumonia	Blood	2021/10/31	ICU	ST15
21111074	77/ M	Bile duct stones	Pleural effusion	2021/11/10	General surgery ward	ST180
21111515	35/F	Fever	Urine	2021/11/15	Emergency ward	ST3034
21111550	53/ M	Cholangitis	Pleural effusion	2021/11/15	General surgery ward	ST65
21111620	35/F	Fever	Blood	2021/11/16	Emergency ward	ST3034
21111646	96/ M	Pneumonia	Sputum	2021/11/16	Intensive medicine ward	ST307
21111661	76/ M	Pneumonia	Sputum	2021/11/16	Respiratory and critical care medicine ward	ST11
21111747	42/ M	Pneumoconiosis	Sputum	2021/11/17	Intensive medicine ward	ST15
21112231	53/ M	Cholangitis	Bile	2021/11/22	General surgery ward	ST65

21112315	4/F	Acute appendicitis	Pus	2021/11/22	Pediatric surgery ward	ST2059
21112561	67/ M	Pneumonia	Other specimen	2021/11/25	Intensive medicine ward Pneumonia	ST15
21112728	96/ M	Pneumonia	Sputum	2021/11/27	Intensive medicine ward	ST307
21112827	74/ M	Pancreatic mass	Pleural effusion	2021/11/28	General surgery ward	ST5138
21112839	54/F	Thrombocytopenia	Blood	2021/11/28	Hematology ward	ST485
21113030	97/ M	Dementia	Urine	2021/11/30	General ward	ST307
21120159	52/ M	Cholangitis	Pleural effusion	2021/12/01	General surgery ward	ST65
21120240	84/F	Respiratory infection	Sputum	2021/12/02	General ward	ST11
21120463	64/ M	Aortic dissection	Sputum	2021/12/03	Cardiovascul ar surgery ward	ST193

21120606	64/ M	Aortic dissection	Sputum	2021/12/06	Cardiovascular surgery ward	ST193
21120826	96/ M	Chronic obstructive pulmonary disease	Sputum	2021/12/08	Intensive medicine ward	ST307
21120944	78/F	Esophageal malignancy	Urine	2021/12/09	Radiation oncology Ward	ST5799
21121302	96/ M	Chronic obstructive pulmonary disease	Urine	2021/12/13	Intensive medicine ward	ST307
21121624	73/ M	Disorders of consciousness	Sputum	2021/12/15	Intensive medicine ward	ST15
21121928	80/F	Pneumonia	Sputum	2021/12/19	Intensive medicine ward	ST15
211221031	90/F	Pneumonia	Urine	2021/12/21	General ward	ST11
21122105	91/	Alzheimer's	Urine	2021/12/21	General ward	ST15

	M	disease					
21122243	65/	Motor neurone	Sputum	2021/12/22	Intensive	ST1933	
	M	disease			medicine		
					ward		
21122245	65/	Motor neurone	Urine	2021/12/22	Intensive	ST1933	
	M	disease			medicine		
					ward		
21122431	97/	Dementia	Urine	2021/12/24	General ward	ST307	
	M						
21122623	58/F	Myelodysplastic	Urine	2021/12/26	Hematology	ST1958	
		syndrome			ward		
22010104	64/	Infection	Pleural	2022/01/01	Orthopedic	ST1787	
	M		effusion		ward		
22010122	90/	Dementia	Urine	2022/01/01	General ward	NA	
	M						
22010302	58/F	Adult acute	Urine	Blood	Hematology	ST147	
		lymphoblastic			ward		
		leukemia					
22010330	68/	Coronary heart	Sputum	2022/01/02	Cardiovascul	ST519	
	M	disease			ar surgery		
					ward		
22010519	64/	Infection	Pleural	2022/01/05	Orthopedic	ST1787	

M

effusion

ward

NA: unknown MLST type.