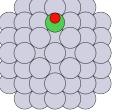
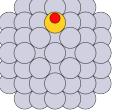
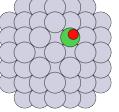
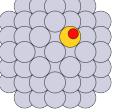
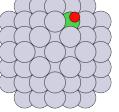
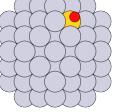
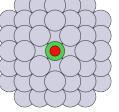
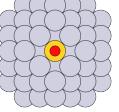
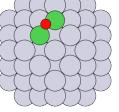
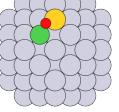
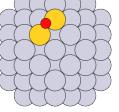
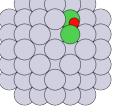
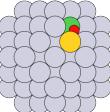
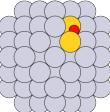
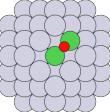
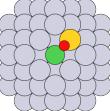
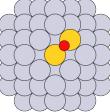
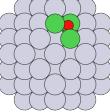
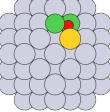
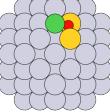
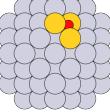
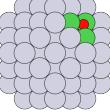
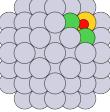
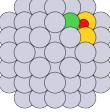
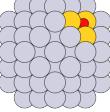


Table 1: All symmetry-inequivalent adsorption sites of a nanoparticle.

Site	Surface	Label 1	Composition	Label 2	Snapshot
ontop	vertex	1	A	1	
			B	2	
	edge	2	A	3	
			B	4	
	fcc111	3	A	5	
			B	6	
	fcc100	4	A	7	
			B	8	
	edge	5	AA	9	
			AB	10	
			BB	11	
			AA	12	

Site	Surface	Label 1	Composition	Label 2	Snapshot	
bridge	fcc111	6	AB	13		
			BB	14		
		7	AA	15		
			AB	16		
	fcc100		BB	17		
			AAA	18		
			AAB	19		
			ABB	20		
fcc	fcc111	8	BBB	21		
			AAA	22		
			AAB	23		
			ABB	24		
hcp	fcc111	9	BBB	25		

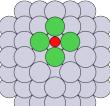
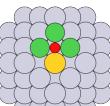
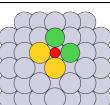
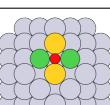
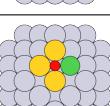
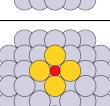
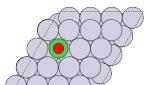
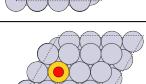
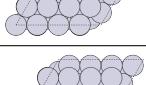
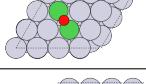
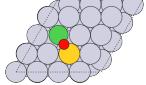
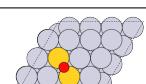
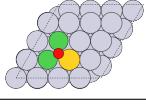
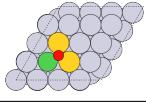
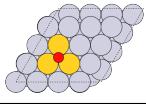
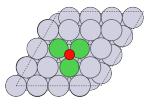
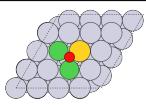
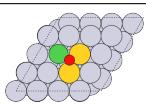
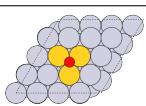
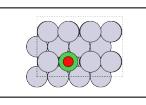
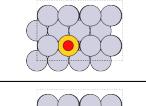
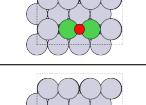
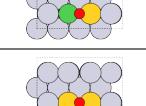
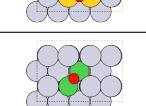
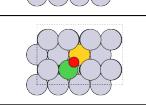
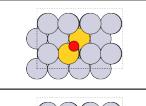
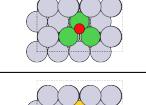
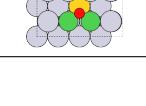
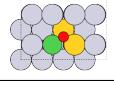
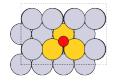
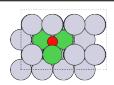
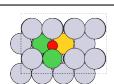
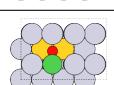
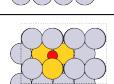
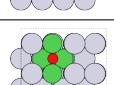
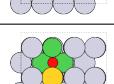
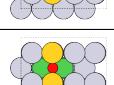
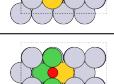
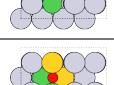
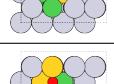
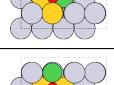
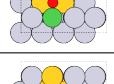
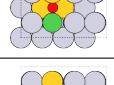
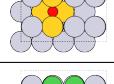
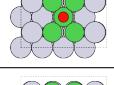
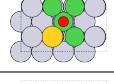
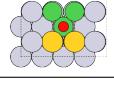
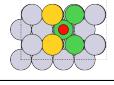
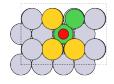
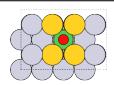
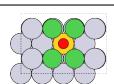
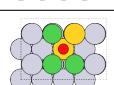
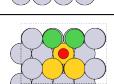
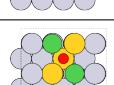
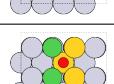
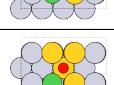
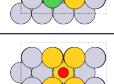
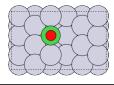
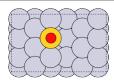
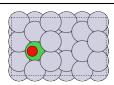
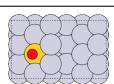
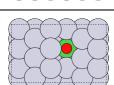
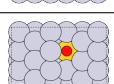
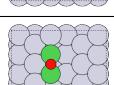
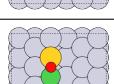
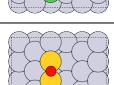
Site	Surface	Label 1	Composition	Label 2	Snapshot
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			AAAB	27	
			AABB	28	
			ABAB	29	
			ABBB	30	
			BBBB	31	

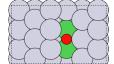
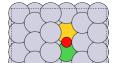
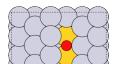
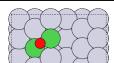
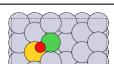
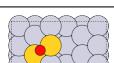
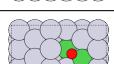
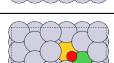
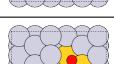
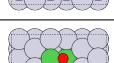
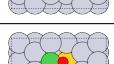
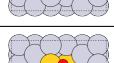
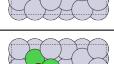
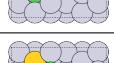
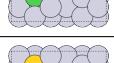
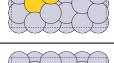
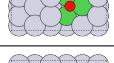
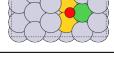
Table 2: All symmetry-inequivalent adsorption sites of 20 common surfaces.

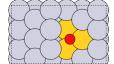
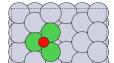
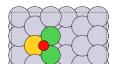
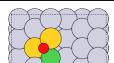
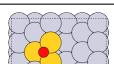
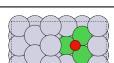
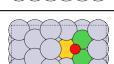
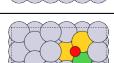
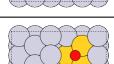
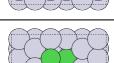
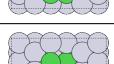
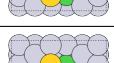
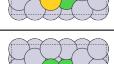
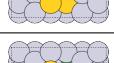
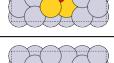
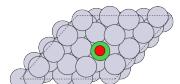
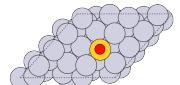
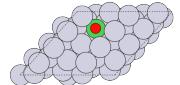
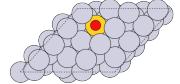
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				B	2	
	bridge	terrace	2	AA	3	
				AB	4	
			3	BB	5	
				AAAA	6	
	4fold	terrace	3	AAAB	7	
				AABB	8	
				ABAB	9	
				ABBB	10	
				BBBB	11	
fcc111	ontop	terrace	1	A	1	
				B	2	
	bridge	terrace	2	AA	3	
				AB	4	
			2	BB	5	
				AAA	6	

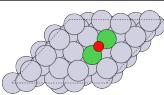
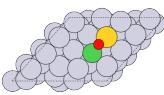
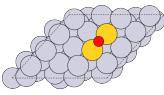
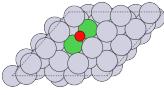
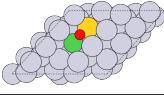
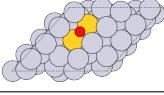
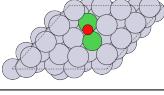
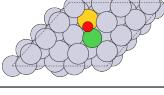
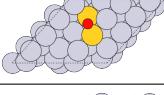
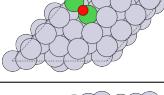
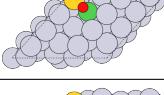
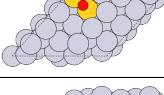
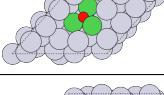
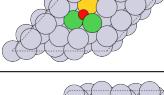
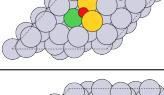
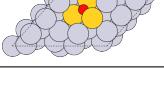
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				ABB	8	
				BBB	9	
	hcp	terrace	4	AAA	10	
				AAB	11	
				ABB	12	
				BBB	13	
bridge	ontop	step	1	A	1	
				B	2	
	step	2	2	AA	3	
				AB	4	
				BB	5	
	sc-tc-h	sc-tc-h	3	AA	6	
				AB	7	
				BB	8	
	fcc	sc-tc-h	4	AAA	9	
				AAB	10	

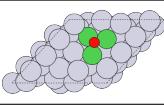
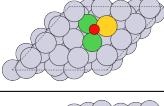
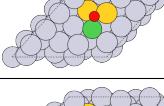
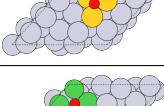
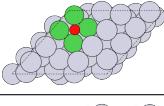
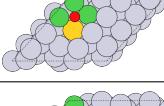
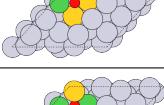
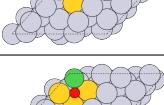
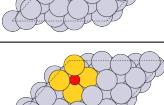
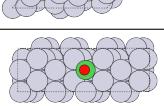
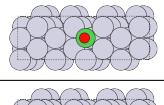
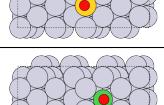
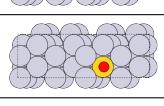
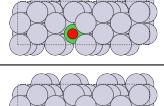
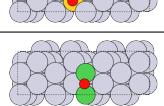
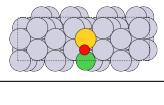
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
fcc110	hcp	sc-tc-h	5	ABB	11	
				BBB	12	
				AAA	13	
			5	AAB	14	
				ABB	15	
				BBB	16	
	4fold	terrace	6	AA-AA	17	
				AA-AB	18	
				AA-BB	19	
				AB-AA	20	
				AB-AB	21	
			6	AB-BB	22	
				BB-AA	23	
				BB-AB	24	
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				A-AABB	28	
				A-ABAB	29	

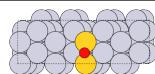
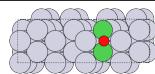
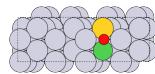
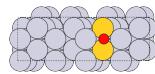
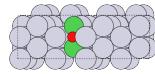
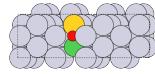
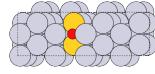
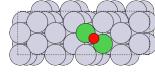
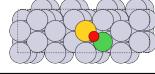
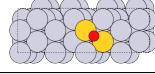
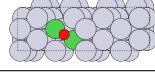
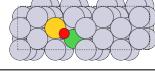
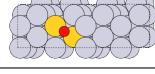
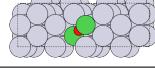
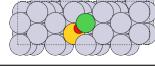
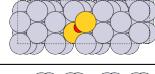
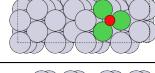
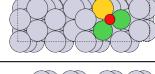
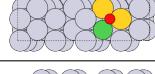
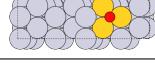
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
5fold	terrace	7		A-ABBA	30	
				A-ABBB	31	
				A-BBBB	32	
				B-AAAA	33	
				B-AAAB	34	
				B-AABB	35	
				B-ABAB	36	
				B-ABBA	37	
				B-ABBB	38	
				B-BBBB	39	
ontop	step	1		A	1	
				B	2	
	terrace	2		A	3	
				B	4	
	corner	3		A	5	
				B	6	
	step	4		AA	7	
				AB	8	
				BB	9	

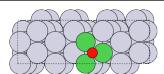
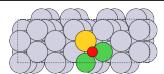
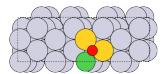
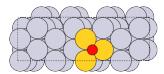
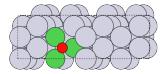
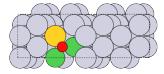
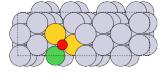
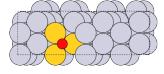
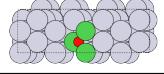
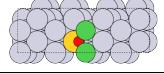
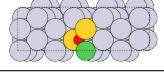
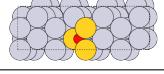
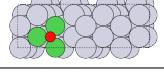
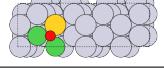
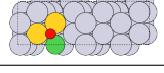
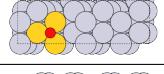
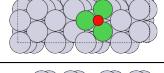
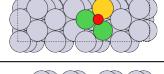
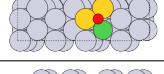
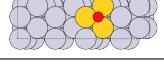
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
bridge	corner	5	AA	10		
			AB	11		
			BB	12		
	sc-tc-h	6	AA	13		
			AB	14		
			BB	15		
	tc-cc-h	7	AA	16		
			AB	17		
			BB	18		
	sc-cc-t	8	AA	19		
			AB	20		
			BB	21		
fcc211	fcc	9	AAA	22		
			AAB	23		
			ABB	24		
			BBB	25		
	sc-tc-h	10	AAA	26		
			AAB	27		
			ABB	28		
	tc-cc-h	10	AAA	29		
			AAB	30		
			ABB	31		

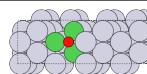
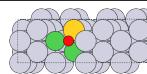
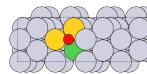
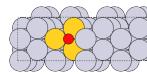
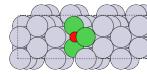
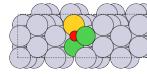
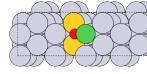
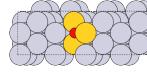
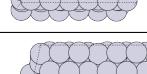
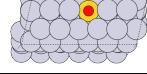
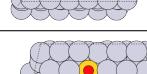
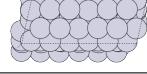
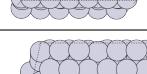
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
hcp	sc-tc-h	11		BBB	29	
				AAA	30	
				AAB	31	
				ABB	32	
				BBB	33	
	tc-cc-h	12		AAA	34	
				AAB	35	
				ABB	36	
				BBB	37	
				AAAA	38	
4fold	sc-cc-t	13		AAAB	39	
				AABB	40	
				ABAB	41	
				ABBB	42	
				BBBB	43	
ontop	step	1		A	1	
				B	2	
	terrace	2		A	3	
				B	4	

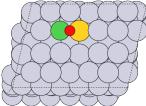
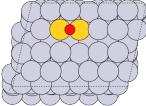
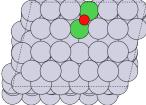
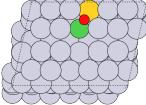
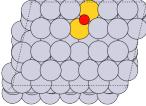
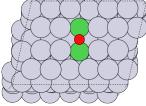
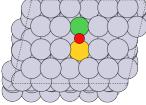
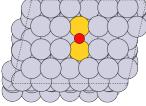
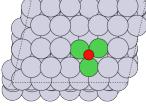
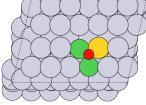
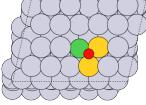
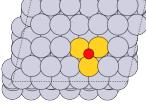
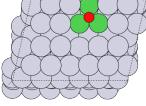
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
fcc311	bridge	step	3	AA	5	
				AB	6	
				BB	7	
		terrace	4	AA	8	
				AB	9	
				BB	10	
		sc-tc-h	5	AA	11	
				AB	12	
				BB	13	
		sc-tc-t	6	AA	14	
				AB	15	
				BB	16	
	fcc	tc-cc-h	7	AAA	17	
				AAB	18	
				ABB	19	
				BBB	20	

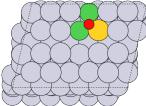
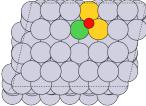
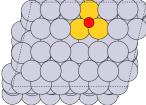
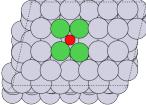
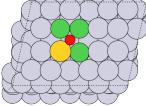
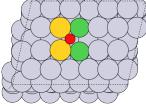
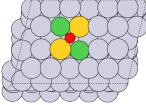
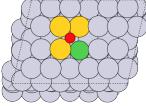
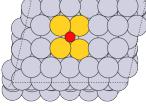
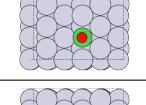
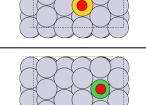
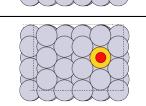
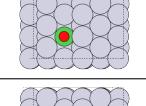
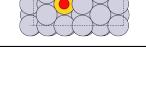
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
	hcp	sc-tc-h	8	AAA	21	
				AAB	22	
				ABB	23	
				BBB	24	
	4fold	sc-cc-t	9	AAAA	25	
				AAAB	26	
				AABB	27	
				ABAB	28	
				ABBB	29	
				BBBB	30	
	ontop	step	1	A	1	
				B	2	
		terrace	2	A	3	
				B	4	
		corner	3	A	5	
				B	6	
		step	4	AA	7	
				AB	8	

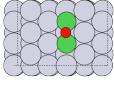
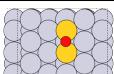
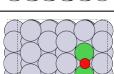
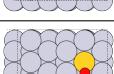
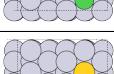
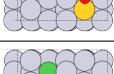
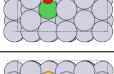
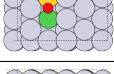
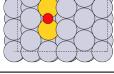
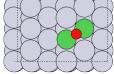
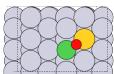
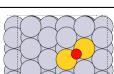
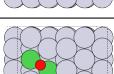
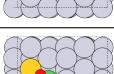
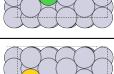
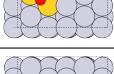
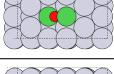
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
bridge	terrace	terrace	5	BB	9	
				AA	10	
				AB	11	
				BB	12	
	corner	corner	6	AA	13	
				AB	14	
				BB	15	
	sc-tc-h	sc-tc-h	7	AA	16	
				AB	17	
				BB	18	
	tc-cc-h	tc-cc-h	8	AA	19	
				AB	20	
				BB	21	
	sc-cc-h	sc-cc-h	9	AA	22	
				AB	23	
				BB	24	
fcc221	terrace	terrace	10	AAA	25	
				AAB	26	
				ABB	27	
				BBB	28	

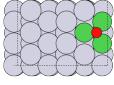
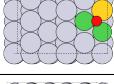
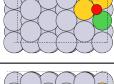
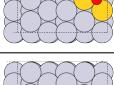
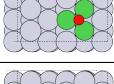
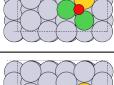
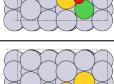
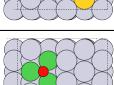
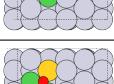
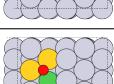
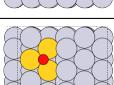
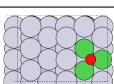
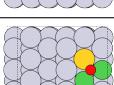
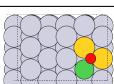
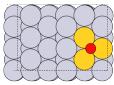
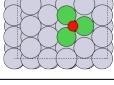
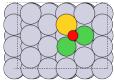
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
fcc		sc-tc-h	11	AAA	29	
				AAB	30	
				ABB	31	
				BBB	32	
		tc-cc-h	12	AAA	33	
				AAB	34	
				ABB	35	
				BBB	36	
		sc-cc-h	13	AAA	37	
				AAB	38	
				ABB	39	
				BBB	40	
		terrace	14	AAA	41	
				AAB	42	
				ABB	43	
				BBB	44	
		sc-tc-h	15	AAA	45	
				AAB	46	
				ABB	47	
				BBB	48	
hcp						

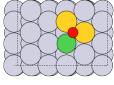
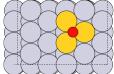
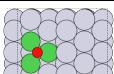
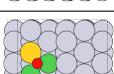
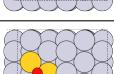
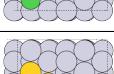
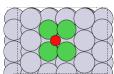
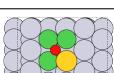
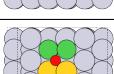
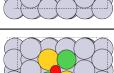
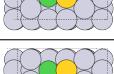
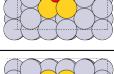
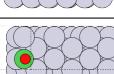
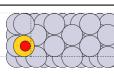
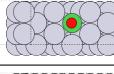
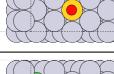
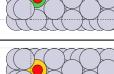
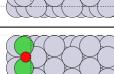
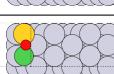
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
		tc-cc-h	16	AAA	49	
				AAB	50	
				ABB	51	
				BBB	52	
		sc-cc-h	17	AAA	53	
				AAB	54	
				ABB	55	
				BBB	56	
	ontop	step	1	A	1	
				B	2	
		terrace	2	A	3	
				B	4	
		step	3	AA	5	
				AB	6	
				BB	7	
				AA	8	

Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
fcc331	bridge	terrace	4	AB	9	
				BB	10	
		sc-tc-h	5	AA	11	
				AB	12	
			6	BB	13	
		sc-tc-t		AA	14	
		6	AB	15		
			BB	16		
	fcc	tc-cc-h	7	AAA	17	
				AAB	18	
				ABB	19	
				BBB	20	
				AAA	21	

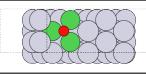
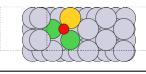
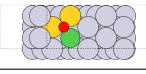
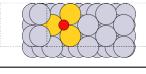
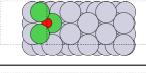
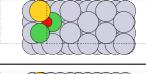
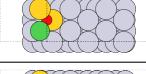
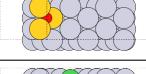
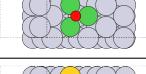
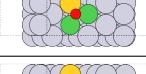
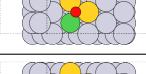
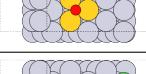
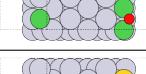
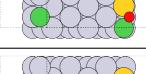
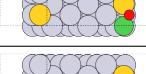
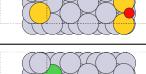
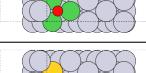
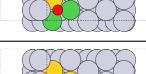
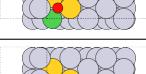
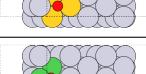
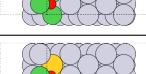
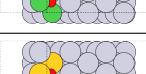
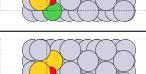
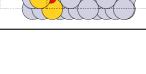
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
	hcp	sc-tc-h	8	AAA	22	
				ABB	23	
				BBB	24	
	4fold	sc-cc-t	9	AAAA	25	
				AAAB	26	
				AABB	27	
				ABAB	28	
				ABBB	29	
				BBBB	30	
	step	step	1	A	1	
				B	2	
		terrace	2	A	3	
				B	4	
	ontop	corner	3	A	5	
				B	6	

Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
bridge	step	4	AA	7		
			AB	8		
			BB	9		
	terrace	5	AA	10		
			AB	11		
			BB	12		
	corner	6	AA	13		
			AB	14		
			BB	15		
	sc-tc-h	7	AA	16		
			AB	17		
			BB	18		
	tc-cc-h	8	AA	19		
			AB	20		
			BB	21		
	sc-cc-h	9	AA	22		
			AB	23		
			BB	24		

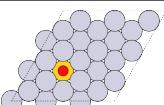
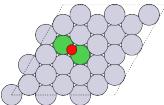
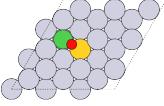
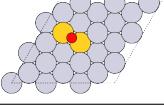
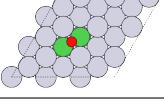
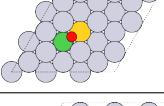
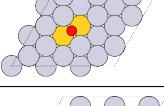
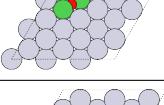
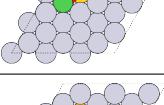
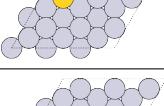
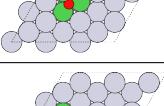
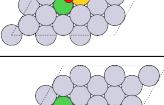
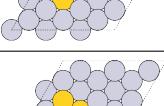
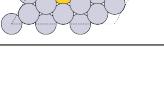
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
fcc322	fcc	terrace	10	AAA	25	
				AAB	26	
				ABB	27	
				BBB	28	
		sc-tc-h	11	AAA	29	
				AAB	30	
				ABB	31	
				BBB	32	
		tc-cc-h	12	AAA	33	
				AAB	34	
				ABB	35	
				BBB	36	
hcp	sc-tc-h	terrace	13	AAA	37	
				AAB	38	
				ABB	39	
				BBB	40	
		sc-tc-h	14	AAA	41	
				AAB	42	

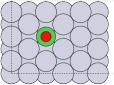
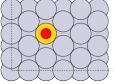
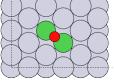
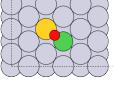
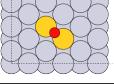
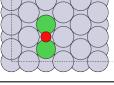
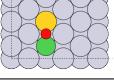
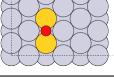
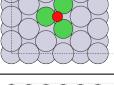
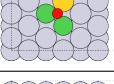
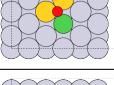
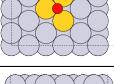
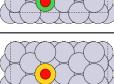
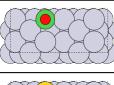
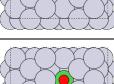
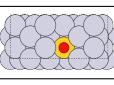
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
tc-cc-h	15	sc-cc-t		ABB	43	
				BBB	44	
				AAA	45	
				AAB	46	
				ABB	47	
				BBB	48	
	16	sc-cc-t		AAAA	49	
				AAAB	50	
				AABB	51	
				ABAB	52	
				ABBB	53	
				BBBB	54	
4fold	step	1		A	1	
				B	2	
		2		A	3	
				B	4	
	ontop	corner	3	A	5	
				B	6	
		step	4	AA	7	
				AB	8	

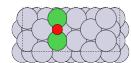
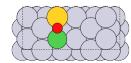
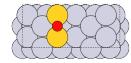
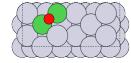
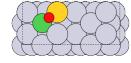
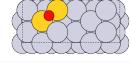
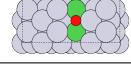
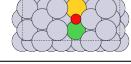
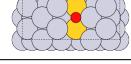
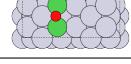
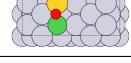
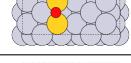
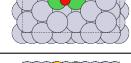
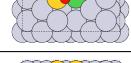
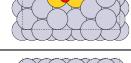
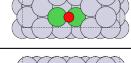
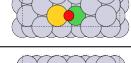
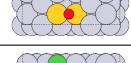
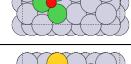
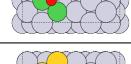
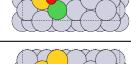
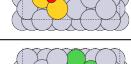
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
bridge	bridge	terrace	5	BB	9	
				AA	10	
				AB	11	
				BB	12	
		corner	6	AA	13	
				AB	14	
				BB	15	
		sc-tc-h	7	AA	16	
				AB	17	
				BB	18	
		tc-cc-h	8	AA	19	
				AB	20	
				BB	21	
		sc-cc-h	9	AA	22	
				AB	23	
				BB	24	
fcc332	fcc	terrace	10	AAA	25	
				AAB	26	
				ABB	27	
				BBB	28	
		sc-tc-h	11	AAA	29	
				AAB	30	
				ABB	31	
				BBB	32	

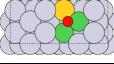
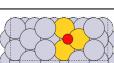
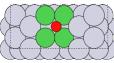
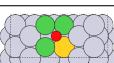
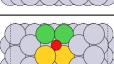
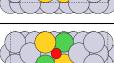
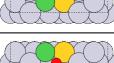
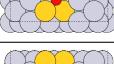
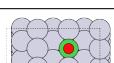
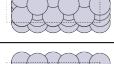
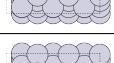
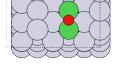
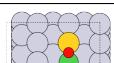
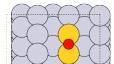
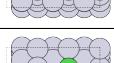
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
hcp		tc-cc-h	12	AAA	33	
				AAB	34	
				ABB	35	
				BBB	36	
		sc-cc-h	13	AAA	37	
				AAB	38	
				ABB	39	
				BBB	40	
		terrace	14	AAA	41	
				AAB	42	
				ABB	43	
				BBB	44	
		sc-tc-h	15	AAA	45	
				AAB	46	
				ABB	47	
				BBB	48	
		tc-cc-h	16	AAA	49	
				AAB	50	
				ABB	51	
				BBB	52	
		sc-cc-h	17	AAA	53	
				AAB	54	
				ABB	55	
				BBB	56	

Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
bcc100	ontop	terrace	1	A	1	
				B	2	
	bridge	terrace	2	AA	3	
				AB	4	
				BB	5	
				AAAA	6	
	4fold	terrace	3	AAAB	7	
				AABB	8	
				ABAB	9	
				ABBB	10	
				BBBB	11	
	ontop	step	1	A	1	
				B	2	
	ontop	terrace	2	A	3	
				B	4	
		corner	3	A	5	

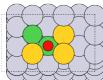
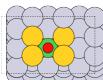
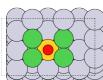
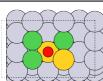
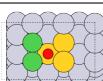
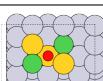
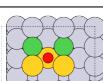
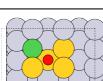
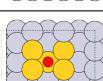
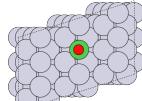
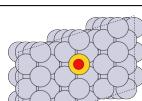
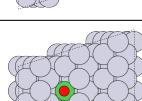
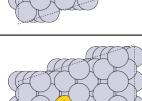
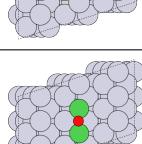
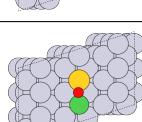
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
bcc111	shortbridge	sc-tc-o	4	B	6	
				AA	7	
				AB	8	
				BB	9	
		tc-cc-o	5	AA	10	
				AB	11	
				BB	12	
	longbridge	sc-cc-o	6	AA	13	
				AB	14	
				BB	15	
	3fold	sc-tc-cc-o	7	AAA	16	
				AAB	17	
				ABB	18	
				BBB	19	

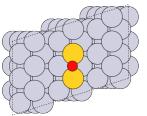
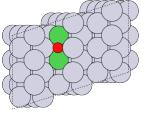
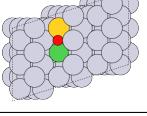
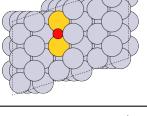
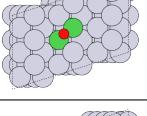
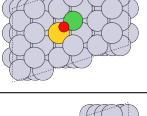
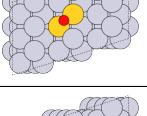
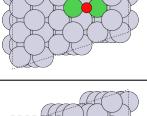
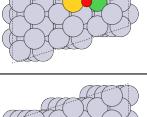
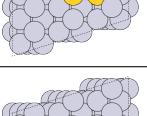
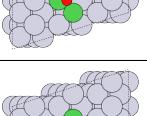
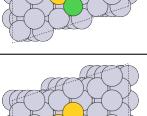
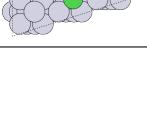
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
bcc110	ontop	terrace	1	A	1	
				B	2	
	shortbridge	terrace	2	AA	3	
				AB	4	
				BB	5	
	longbridge	terrace	3	AA	6	
				AB	7	
				BB	8	
	3fold	terrace	4	AAA	9	
				AAB	10	
				ABB	11	
				BBB	12	
	ontop	step	1	A	1	
				B	2	
		terrace	2	A	3	
				B	4	
		corner	3	A	5	
				B	6	

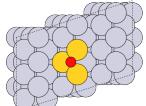
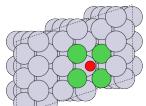
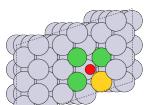
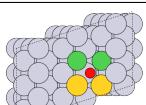
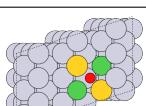
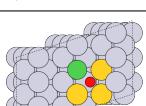
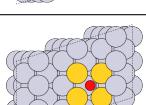
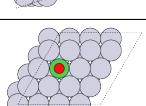
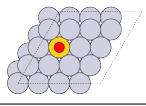
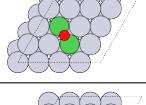
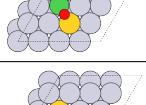
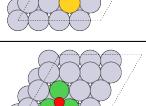
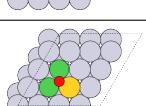
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
bcc210	bridge	step	4	AA	7	
				AB	8	
				BB	9	
		terrace	5	AA	10	
				AB	11	
				BB	12	
		corner	6	AA	13	
				AB	14	
				BB	15	
		sc-tc-o	7	AA	16	
				AB	17	
				BB	18	
		tc-cc-o	8	AA	19	
				AB	20	
				BB	21	
		sc-cc-t	9	AA	22	
				AB	23	
				BB	24	
3fold	3fold	sc-tc-o	10	AAA	25	
				AAB	26	
				ABB	27	
				BBB	28	
				AAA	29	

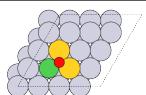
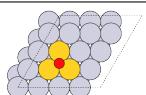
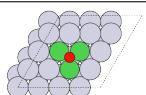
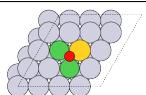
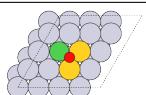
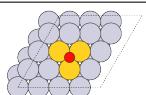
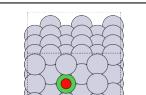
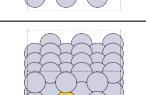
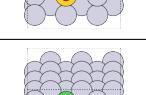
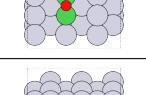
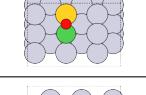
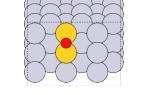
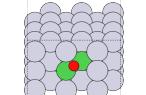
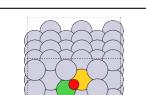
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
4fold		tc-cc-o	11	AAB	30	
				ABB	31	
				BBB	32	
		sc-cc-t	12	AAAA	33	
				AAAB	34	
				AABB	35	
				ABAB	36	
				ABBB	37	
				BBBB	38	
bridge	ontop	step	1	A	1	
				B	2	
	step		2	AA	3	
				AB	4	
				BB	5	
	sc-tc-o		3	AA	6	
				AB	7	
				BB	8	
				AAA	9	
3fold		sc-tc-o	4	AAB	10	

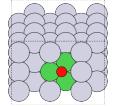
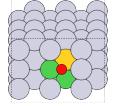
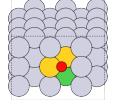
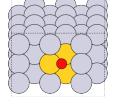
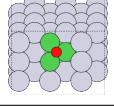
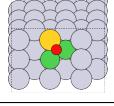
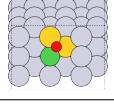
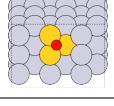
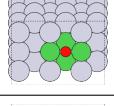
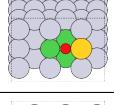
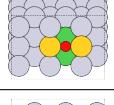
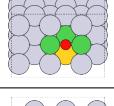
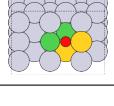
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
bcc211	4fold	terrace	5	ABB	11	
				BBB	12	
				AA-AA	13	
			5	AA-AB	14	
				AA-BB	15	
				AB-AA	16	
				AB-AB	17	
				AB-BB	18	
				BB-AA	19	
				BB-AB	20	
				BB-BB	21	
			6	A-AAAA	22	
				A-AAAB	23	
				A-AABB	24	
				A-ABAB	25	
				A-ABBA	26	

Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
	5fold	terrace	6	A-ABBB	27	
				A-BBBB	28	
				B-AAAA	29	
				B-AAAB	30	
				B-AABB	31	
				B-ABAB	32	
				B-ABBA	33	
				B-ABBB	34	
				B-BBBB	35	
	ontop	step	1	A	1	
				B	2	
		terrace	2	A	3	
				B	4	
		step	3	AA	5	
		AB	8			

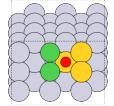
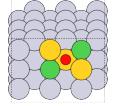
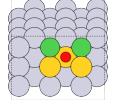
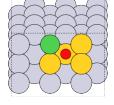
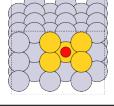
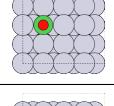
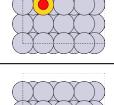
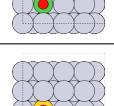
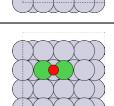
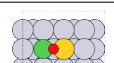
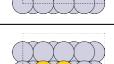
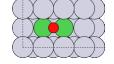
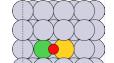
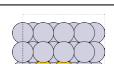
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
bcc310	bridge	terrace	4	BB	7	
				AA	8	
				AB	9	
				BB	10	
		sc-tc-o	5	AA	11	
				AB	12	
	sc-tc-t	sc-tc-t	6	BB	13	
				AA	14	
				AB	15	
		sc-tc-o	7	BB	16	
				AAA	17	
				AAB	18	
	3fold			ABB	19	

Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
	4fold	sc-tc-t	8	BBB	20	
				AAAA	21	
				AAAB	22	
				AABB	23	
				ABAB	24	
				ABBB	25	
				BBBB	26	
				A	1	
hcp0001	ontop	terrace	1	B	2	
				AA	3	
	bridge	terrace	2	AB	4	
				BB	5	
				AAA	6	
	fcc	terrace	3	AAB	7	

Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
	hcp	terrace	4	ABB	8	
				BBB	9	
				AAA	10	
				AAB	11	
				ABB	12	
				BBB	13	
	ontop	step	1	A	1	
				B	2	
	bridge	step	2	AA	3	
				AB	4	
				BB	5	
	sc-tc-h	3	3	AA	6	
				AB	7	
				BB	8	

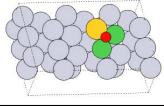
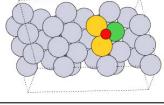
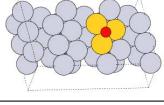
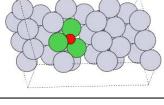
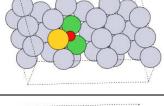
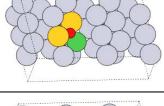
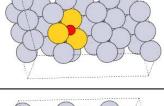
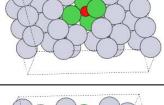
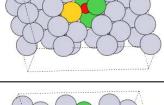
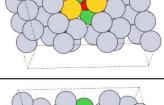
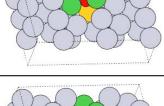
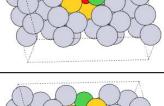
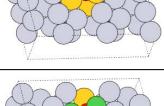
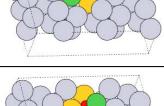
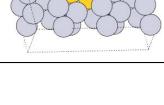
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
fcc	sc-tc-h	4		AAA	9	
				AAB	10	
				ABB	11	
				BBB	12	
	sc-tc-h	5		AAA	13	
				AAB	14	
				ABB	15	
				BBB	16	
hcp10m10h	4fold	terrace	6	AA-AA	17	
				AA-AB	18	
				AA-BB	19	
				AB-AA	20	
				AB-AB	21	

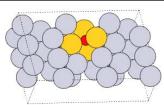
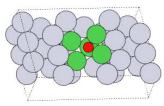
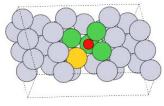
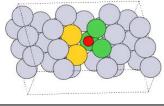
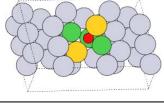
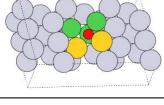
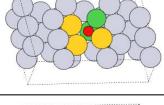
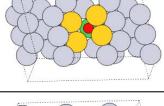
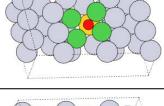
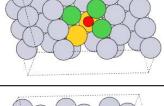
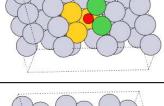
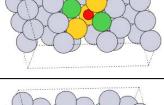
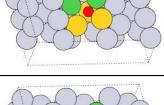
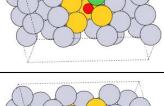
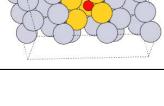
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
5fold	terrace	7		AB-BB	22	
				BB-AA	23	
				BB-AB	24	
				BB-BB	25	
				A-AAAA	26	
				A-AAAB	27	
				A-AABB	28	
				A-ABAB	29	
				A-ABBA	30	
				A-ABBB	31	
				A-BBBB	32	
				B-AAAA	33	
				B-AAAB	34	

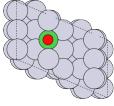
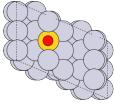
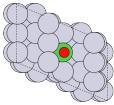
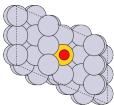
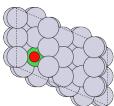
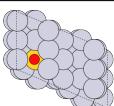
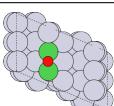
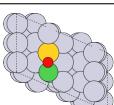
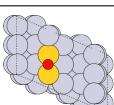
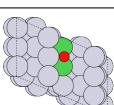
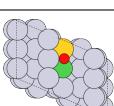
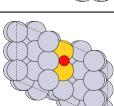
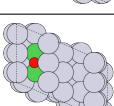
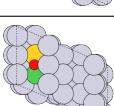
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
				B-AABB	35	
				B-ABAB	36	
				B-ABBA	37	
				B-ABBB	38	
				B-BBBB	39	
	ontop	step	1	A	1	
				B	2	
		terrace	2	A	3	
				B	4	
		step	3	AA	5	
				AB	6	
				BB	7	
	bridge	step	3	AA	8	
				AB	9	
				BB	10	
		terrace	4			

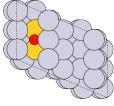
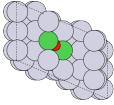
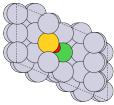
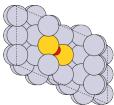
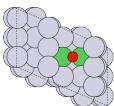
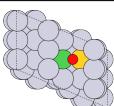
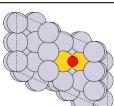
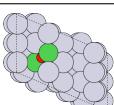
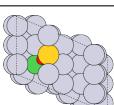
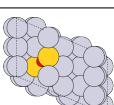
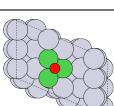
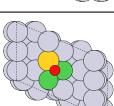
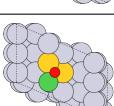
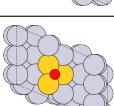
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
hcp10m10t	5fold	sc-tc-t	5	AA	11	
				AB	12	
				BB	13	
		subsurf	6	A-AAAA	14	
				A-AAAB	15	
				A-AABB	16	
				A-ABAB	17	
				A-ABBA	18	
				A-ABBB	19	
				A-BBBB	20	
				B-AAAA	21	
				B-AAAB	22	
				B-AABB	23	
				B-ABAB	24	
				B-ABBA	25	
				B-ABBB	26	

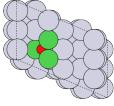
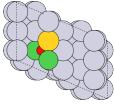
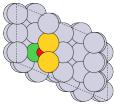
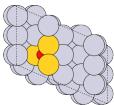
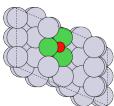
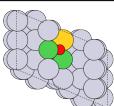
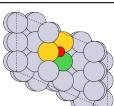
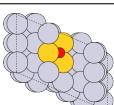
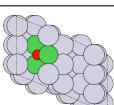
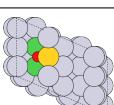
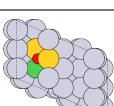
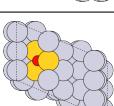
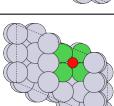
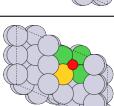
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
				B-BBBB	27	
ontop	step	1	A	1		
			B	2		
	terrace	2	A	3		
			B	4		
	step	3	AA	5		
			AB	6		
			BB	7		
bridge	terrace	4	AA	8		
			AB	9		
			BB	10		
	sc-tc-h	5	AA	11		
			AB	12		
			BB	13		
			AAA	14		

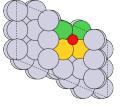
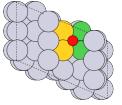
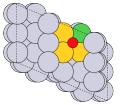
Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
hcp10m11	fcc	sc-tc-h	6	AAB	15	
				ABB	16	
				BBB	17	
	hcp	sc-tc-h	7	AAA	18	
				AAA	19	
				ABB	20	
				BBB	21	
	4fold	subsurf	8	AA-AA	22	
				AA-AB	23	
				AA-BB	24	
				AB-AA	25	
			8	AB-AB	26	
				AB-BB	27	
				BB-AA	28	
				BB-AB	29	

Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
5fold	subsurf	9		BB-BB	30	
				A-AAAA	31	
				A-AAAB	32	
				A-AABB	33	
				A-ABAB	34	
				A-ABBA	35	
				A-ABBB	36	
				A-BBBB	37	
				B-AAAA	38	
				B-AAAB	39	
				B-AABB	40	
				B-ABAB	41	
				B-ABBA	42	
				B-ABBB	43	
				B-BBBB	44	

Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
ontop	step	1	A	1		
			B	2		
	terrace	2	A	3		
			B	4		
	corner	3	A	5		
			B	6		
	step	4	AA	7		
			AB	8		
			BB	9		
	terrace	5	AA	10		
			AB	11		
			BB	12		
	corner	6	AA	13		
			AB	14		

Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
hcp10m12	bridge	sc-tc-h	7	BB	15	
				AA	16	
				AB	17	
				BB	18	
		tc-cc-t	8	AA	19	
				AB	20	
				BB	21	
		sc-cc-h	9	AA	22	
				AB	23	
				BB	24	
	fcc	sc-tc-h	10	AAA	25	
				AAB	26	
				ABB	27	
				BBB	28	

Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
hcp		sc-cc-h	11	AAA	29	
				AAB	30	
				ABB	31	
				BBB	32	
		sc-tc-h	12	AAA	33	
				AAB	34	
				ABB	35	
				BBB	36	
		sc-cc-h	13	AAA	37	
				AAB	38	
				ABB	39	
				BBB	40	
				AAAA	41	
				AAAB	42	

Surface	Site	Morphology	Label 1	Composition	Label 2	Snapshot
	4fold	tc-cc-t	14	AABB	43	
				ABAB	44	
				ABBB	45	
				BBBB	46	