

Supplementary atomic coordinates of some key structures:

5.9%-HEA(111)

1.0000000000000000					
10.5600004195999997	0.0000000000000000	0.0000000000000000	0.0000000000000000	0.0000000000000000	0.0000000000000000
5.2800002097999998	9.1452286273999999	0.0000000000000000	0.0000000000000000	0.0000000000000000	0.0000000000000000
0.0000000000000000	0.0000000000000000	22.0000000000000000	0.0000000000000000	0.0000000000000000	0.0000000000000000
Pt	Fe	Co	Cu	Ni	
32	13	10	13	12	

Direct

0.7866955608705455	0.8792044975121758	0.3175808625878520
0.0418308564857226	0.8830759499196502	0.3158791456068304
0.2789186495124180	0.3812235485499275	0.3197460385463542
0.8737165499545997	0.9621321433744678	0.4245676320617704
0.1214275202434205	0.4624754585335132	0.4280095400050535
0.1240179580814707	0.9615625048004561	0.4218278807601187
0.8734751351958615	0.4600962361380234	0.4266690346097864
0.3740907078762025	0.9601775316192104	0.4204861524722942
0.8733090230011947	0.2114037980188913	0.4206039990110941
0.1248815315729999	0.2110912147065346	0.4224017627726728
0.6239527528920046	0.9610701240522634	0.4239794270420173
0.8735573264723734	0.7110750306028916	0.4267115688478330
0.3740744316750741	0.2094355836928070	0.4250190515285985
0.3747736242329639	0.7123878828839542	0.4243718634276460
0.6250233071194520	0.4615668075608913	0.4228434414042465
0.1235535120068129	0.7112530855774848	0.4266143729385040
0.6244071883554327	0.2107178540197893	0.4219107611887854
0.5480331280459114	0.3760749439603601	0.3172115450582432
0.5339200346521665	0.1248316745336111	0.3149471333925754
0.5470002567309411	0.1235332521918851	0.0399417999792641
0.1208089481838826	0.4601783015997043	0.1280394984827537
0.0429215414748025	0.1371190363105959	0.3139924551932819
0.0424414900737916	0.1302099981135529	0.0329802953695375
0.1304832192218990	0.9579853651904472	0.1318324513652442
0.3739378913464741	0.4616784405866258	0.4269096073707236
0.4545409546924842	0.5457192756245021	0.2188518202987367
0.6222270952484268	0.7115633672883623	0.4241398446441191
0.9557150112780803	0.7901309279847157	0.2210448635643216
0.7936456872174327	0.6228807728370108	0.3191411487033626
0.2915147773321587	0.6314372181231120	0.3185821011048740
0.2026302282532692	0.2805717472662115	0.2254649220963286
0.7064516142076765	0.5493905794579688	0.2207507679886420
0.0400757068763293	0.6313466213986089	0.3256202375890569
0.7973180911857300	0.8616265572046822	0.0420760910781761
0.0560985910251621	0.8657185943726389	0.0377408024139789
0.0464128728296122	0.6281990126391532	0.0369911384080026
0.6273755757357057	0.2222416784154088	0.1287505962321819

0.3821141315825324	0.9550040284741640	0.1298830475232643
0.0352966908963618	0.3839556480413341	0.3245221470782765
0.0311405267505630	0.3816759960279116	0.0375046088689482
0.8722404389414802	0.2153943248380508	0.1282949969568862
0.9547121146412580	0.5451880757532641	0.2238905465224089
0.2963477552667665	0.1159381207168453	0.3214123985237181
0.5397901687438148	0.6304762615550641	0.3223206516584783
0.2952537777573352	0.1193869715977776	0.0394092290051724
0.5482511333460868	0.6253176515919384	0.0436557828226837
0.2955313611129770	0.3794825008886505	0.0388921565765087
0.6254873592740272	0.9499576153305589	0.1320861515426503
0.7063418941376099	0.7943482474531584	0.2201040810409905
0.8657230809026896	0.7055915708183955	0.1288086150341889
0.6261967559753983	0.4601083651772431	0.1271035316941006
0.2974994334049239	0.8757804131260595	0.3179488423833239
0.3058183792095300	0.8681273535779789	0.0402965921580058
0.6267113460396334	0.7146527937796420	0.1282718373779367
0.2238985663360460	0.0282395707652511	0.2273103066600564
0.5426930146743730	0.3810225683391800	0.0346170130491015
0.3782499856636635	0.2053095451198300	0.1325912588926681
0.1361840205673691	0.7049738332520920	0.1317829863304705
0.7048694108175633	0.0502839582141930	0.2203633218762522
0.7924544449592754	0.1300869471321136	0.3168798477854691
0.5378510221786829	0.8733305506119454	0.3167983874264148
0.7965506180300537	0.1231154660588082	0.0345346489215057
0.5461463374709618	0.8704875427066201	0.0358963983795519
0.2072223479365503	0.5428206522703709	0.2241705479812726
0.9515132437925310	0.2967218890121097	0.2212922910368358
0.8718576990596274	0.9638570180222641	0.1289765751150571
0.7142109858861703	0.2900443576212550	0.2233456813423590
0.4576441343993998	0.2914717494979414	0.2208305283948577
0.8758100826512220	0.4565068959116802	0.1279466825133640
0.1276916528003058	0.2069238958546323	0.1287633622288855
0.7922909547094094	0.6217683887307786	0.0402482254018294
0.2978485906329956	0.6254074402968374	0.0420896375614645
0.3856750788570704	0.7114654717231881	0.1289187271216785
0.3820764845374152	0.4516090485206886	0.1264952625703708
0.7925069304056553	0.3792461951626670	0.3203221183388076
0.7909247997102078	0.3772595911578204	0.0394562840913370
0.9555996101377208	0.0529344377675856	0.2214324969807444
0.4575573979138599	0.7971559299409201	0.2244088666744103
0.2131500369791654	0.7976872161537959	0.2245790410596954
0.4623985897492356	0.0302163017453282	0.2220026953531440

H^A-5.9%-HEA(111)
1.0000000000000000

10.5600004195999997	0.0000000000000000	0.0000000000000000			
5.2800002097999998	9.1452286273999999	0.0000000000000000			
0.0000000000000000	0.0000000000000000	22.0000000000000000			
Pt	Fe	Co	Cu	Ni	H
32	13	10	13	12	1
Selective dynamics					
Direct					
0.7863864729633794	0.8786927382514871	0.3172911686051222	T	T	T
0.0424541453863420	0.8814743287112409	0.3163571478987051	T	T	T
0.2781392292492300	0.3811292466494839	0.3203619430639992	T	T	T
0.8739346192915710	0.9619999578682965	0.4238678014402876	T	T	T
0.1208491581427452	0.4600203468818858	0.4307173995771355	T	T	T
0.1245737711934627	0.9621204633940592	0.4218174207069630	T	T	T
0.8744629861414973	0.4594349614721486	0.4270601689983972	T	T	T
0.3740571365910505	0.9600421285492720	0.4205142606715712	T	T	T
0.8737826612213616	0.2109557383176397	0.4203019016814601	T	T	T
0.1253659406203005	0.2106696775963250	0.4227306892367478	T	T	T
0.6245098288554671	0.9602727749761164	0.4243301689792294	T	T	T
0.8724539594607013	0.7108422082036119	0.4259590119642521	T	T	T
0.3756359337175666	0.2068303822966845	0.4245304045011966	T	T	T
0.3766255669534950	0.7134314008561090	0.4228139224688238	T	T	T
0.6264662315380809	0.4610914989076234	0.4225356395181736	T	T	T
0.1223064345399627	0.7142051366838007	0.4287599909039299	T	T	T
0.6252256269975756	0.2096441626357571	0.4220987202179937	T	T	T
0.5466056887207555	0.3760723318958507	0.3177059896138326	T	T	T
0.5340608738459265	0.1247188477715536	0.3149373073517697	T	T	T
0.5470002567308043	0.1235332521939583	0.0399417999772709	F	F	F
0.1208089481832886	0.4601783015999317	0.1280394984818187	F	F	F
0.0427534565143114	0.1362638962218582	0.3140147394850957	T	T	T
0.0424414900706935	0.1302099981111695	0.0329802953681835	F	F	F
0.1304832192178935	0.9579853651937356	0.1318324513636355	F	F	F
0.3778914982165423	0.4595086279807109	0.4293601716702968	T	T	T
0.4545409546936767	0.5457192756283078	0.2188518203000029	F	F	F
0.6232439038244187	0.7105771241355123	0.4239160305046009	T	T	T
0.9557150112739734	0.7901309279847197	0.2210448635636340	F	F	F
0.7941215322031610	0.6217867563165573	0.3189757736774712	T	T	T
0.2910767516735879	0.6303409502345666	0.3186483304403771	T	T	T
0.2026302282546482	0.2805717472619946	0.2254649220954548	F	F	F
0.7064516142104935	0.5493905794598390	0.2207507679909071	F	F	F
0.0405190135990850	0.6296922377750217	0.3261186336688357	T	T	T
0.7973180911857654	0.8616265572072663	0.0420760910772700	F	F	F
0.0560985910286504	0.8657185943694543	0.0377408024136372	F	F	F
0.0464128728304587	0.6281990126400245	0.0369911384090926	F	F	F
0.6273755757405439	0.2222416784103771	0.1287505962318178	F	F	F
0.3821141315863983	0.9550040284758836	0.1298830475227248	F	F	F
0.0353634793113642	0.3830453105567624	0.3248752376728922	T	T	T

0.0311405267529068	0.3816759960316460	0.0375046088681827	F	F	F
0.8722404389362310	0.2153943248393162	0.1282949969590916	F	F	F
0.9547121146441953	0.5451880757537140	0.2238905465227248	F	F	F
0.2959708138016640	0.1160703742261619	0.3212035063293723	T	T	T
0.5400861484743673	0.6295940320176936	0.3216860120179791	T	T	T
0.2952537777580275	0.1193869715983666	0.0394092290045478	F	F	F
0.5482511333458362	0.6253176515966246	0.0436557828227251	F	F	F
0.2955313611175683	0.3794825008859988	0.0388921565772762	F	F	F
0.6254873592728032	0.9499576153264400	0.1320861515409106	F	F	F
0.7063418941412323	0.7943482474494772	0.2201040810409083	F	F	F
0.8657230808985474	0.7055915708183349	0.1288086150363625	F	F	F
0.6261967559749806	0.4601083651744915	0.1271035316954539	F	F	F
0.2978600675896851	0.8748512607668532	0.3177064464643907	T	T	T
0.3058183792080129	0.8681273535812224	0.0402965921590877	F	F	F
0.6267113460374674	0.7146527937769136	0.1282718373772695	F	F	F
0.2238985663333324	0.0282395707665799	0.2273103066590920	F	F	F
0.5426930146679965	0.3810225683434538	0.0346170130500028	F	F	F
0.3782499856614123	0.2053095451189151	0.1325912588909119	F	F	F
0.1361840205679030	0.7049738332493618	0.1317829863318210	F	F	F
0.7048694108137141	0.0502839582186283	0.2203633218772723	F	F	F
0.7921221436669490	0.1296495265016222	0.3168144943024288	T	T	T
0.5380355299888078	0.8731031329976769	0.3169982221218692	T	T	T
0.7965506180334998	0.1231154660613569	0.0345346489227296	F	F	F
0.5461463374708515	0.8704875427114658	0.0358963983818157	F	F	F
0.2072223479328272	0.5428206522718000	0.2241705479818208	F	F	F
0.9515132437870619	0.2967218890154157	0.2212922910363631	F	F	F
0.8718576990639662	0.9638570180181532	0.1289765751136329	F	F	F
0.7142109858849466	0.2900443576175675	0.2233456813409092	F	F	F
0.4576441344000983	0.2914717494993724	0.2208305283954530	F	F	F
0.8758100826533664	0.4565068959120069	0.1279466825136382	F	F	F
0.1276916528005785	0.2069238958586865	0.1287633622272750	F	F	F
0.7922909547091166	0.6217683887271619	0.0402482253999992	F	F	F
0.2978485906287958	0.6254074402977565	0.0420896375636346	F	F	F
0.3856750788553356	0.7114654717221427	0.1289187271227306	F	F	F
0.3820764845414715	0.4516090485180371	0.1264952625681843	F	F	F
0.7921053057065153	0.3787773570648846	0.3204554559827166	T	T	T
0.7909247997136220	0.3772595911558838	0.0394562840909103	F	F	F
0.9555996101362965	0.0529344377623957	0.2214324969818193	F	F	F
0.4575573979143996	0.7971559299412050	0.2244088666727251	F	F	F
0.2131500369795702	0.7976872161559072	0.2245790410590942	F	F	F
0.4623985897484246	0.0302163017414401	0.2220026953545471	F	F	F
0.2174564833188864	0.5516315544932382	0.4760110588745085	T	T	T

H^B-5.9%-HEA(111)

1.0000000000000000

10.5600004195999997

0.0000000000000000

0.0000000000000000

5.2800002097999998			9.1452286273999999			0.0000000000000000		
0.0000000000000000			0.0000000000000000			22.0000000000000000		
Pt	Fe	Co	Cu	Ni	H			
32	13	10	13	12	1			
Selective dynamics								
Direct								
0.7868336906576296				0.8791792235412013		0.3172317720309701	T	T
0.0429681390769490				0.8833672847310937		0.3160753491095518	T	T
0.2791584798805685				0.3808469582831979		0.3196318315725933	T	T
0.8733247877029434				0.9614296356894347		0.4230525017031206	T	T
0.1222708349940893				0.4631843694538332		0.4284257638356053	T	T
0.1261367409210747				0.9586925542520320		0.4245581898821650	T	T
0.8732292171824115				0.4627872575438300		0.4263827889227591	T	T
0.3769610335502833				0.9594528511879395		0.4194136680728516	T	T
0.8711568641247169				0.2137902520132504		0.4243965398555938	T	T
0.1277024451576383				0.2135491623688829		0.4246587742590180	T	T
0.6251243129209767				0.9612304925732577		0.4241587286766439	T	T
0.8745810291309083				0.7112428804103860		0.4271658371207988	T	T
0.3752580487784625				0.2094277723954034		0.4248052547995912	T	T
0.3760143607747835				0.7126052455050917		0.4236072890326305	T	T
0.6256699514568342				0.4619836431551934		0.4225965757865992	T	T
0.1246501261529845				0.7104675483443696		0.4267305248177026	T	T
0.6249196341353066				0.2111486216144178		0.4220329091124903	T	T
0.5488765230956323				0.3755851982894909		0.3171245092690341	T	T
0.5346260086922461				0.1247745217206027		0.3149681683894240	T	T
0.5470002567308043				0.1235332521939583		0.0399417999772709	F	F
0.1208089481832886				0.4601783015999317		0.1280394984818187	F	F
0.0430441217170356				0.1371727576355770		0.3149509970535340	T	T
0.0424414900706935				0.1302099981111695		0.0329802953681835	F	F
0.1304832192178935				0.9579853651937356		0.1318324513636355	F	F
0.3745933395253607				0.4619421029614944		0.4261126366934170	T	T
0.4545409546936767				0.5457192756283078		0.2188518203000029	F	F
0.6232587124490727				0.7116330585310450		0.4240032536226285	T	T
0.9557150112739734				0.7901309279847197		0.2210448635636340	F	F
0.7942246176388154				0.6227141756730149		0.3189604564732547	T	T
0.2916939031092237				0.6311737312933352		0.3183424938107259	T	T
0.2026302282546482				0.2805717472619946		0.2254649220954548	F	F
0.7064516142104935				0.5493905794598390		0.2207507679909071	F	F
0.0404673737058591				0.6309116309467372		0.3255371208425424	T	T
0.7973180911857654				0.8616265572072663		0.0420760910772700	F	F
0.0560985910286504				0.8657185943694543		0.0377408024136372	F	F
0.0464128728304587				0.6281990126400245		0.0369911384090926	F	F
0.6273755757405439				0.2222416784103771		0.1287505962318178	F	F
0.3821141315863983				0.9550040284758836		0.1298830475227248	F	F
0.0358631559802783				0.3834600858216325		0.3249627304423422	T	T
0.0311405267529068				0.3816759960316460		0.0375046088681827	F	F

0.8722404389362310	0.2153943248393162	0.1282949969590916	F	F	F
0.9547121146441953	0.5451880757537140	0.2238905465227248	F	F	F
0.2962349524481308	0.1164452108305508	0.3213265617830132	T	T	T
0.5404466121676799	0.6300218210093343	0.3218555474023013	T	T	T
0.2952537777580275	0.1193869715983666	0.0394092290045478	F	F	F
0.5482511333458362	0.6253176515966246	0.0436557828227251	F	F	F
0.2955313611175683	0.3794825008859988	0.0388921565772762	F	F	F
0.6254873592728032	0.9499576153264400	0.1320861515409106	F	F	F
0.7063418941412323	0.7943482474494772	0.2201040810409083	F	F	F
0.8657230808985474	0.7055915708183349	0.1288086150363625	F	F	F
0.6261967559749806	0.4601083651744915	0.1271035316954539	F	F	F
0.2983393162680389	0.8752351844091405	0.3175210646484599	T	T	T
0.3058183792080129	0.8681273535812224	0.0402965921590877	F	F	F
0.6267113460374674	0.7146527937769136	0.1282718373772695	F	F	F
0.2238985663333324	0.0282395707665799	0.2273103066590920	F	F	F
0.5426930146679965	0.3810225683434538	0.0346170130500028	F	F	F
0.3782499856614123	0.2053095451189151	0.1325912588909119	F	F	F
0.1361840205679030	0.7049738332493618	0.1317829863318210	F	F	F
0.7048694108137141	0.0502839582186283	0.2203633218772723	F	F	F
0.7935974364846596	0.1304941977956216	0.3173947424160786	T	T	T
0.5385969786639159	0.8732190653378223	0.3166732653241142	T	T	T
0.7965506180334998	0.1231154660613569	0.0345346489227296	F	F	F
0.5461463374708515	0.8704875427114658	0.0358963983818157	F	F	F
0.2072223479328272	0.5428206522718000	0.2241705479818208	F	F	F
0.9515132437870619	0.2967218890154157	0.2212922910363631	F	F	F
0.8718576990639662	0.9638570180181532	0.1289765751136329	F	F	F
0.7142109858849466	0.2900443576175675	0.2233456813409092	F	F	F
0.4576441344000983	0.2914717494993724	0.2208305283954530	F	F	F
0.8758100826533664	0.4565068959120069	0.1279466825136382	F	F	F
0.1276916528005785	0.2069238958586865	0.1287633622272750	F	F	F
0.7922909547091166	0.6217683887271619	0.0402482253999992	F	F	F
0.2978485906287958	0.6254074402977565	0.0420896375636346	F	F	F
0.3856750788553356	0.7114654717221427	0.1289187271227306	F	F	F
0.3820764845414715	0.4516090485180371	0.1264952625681843	F	F	F
0.7933859952796237	0.3793184792860648	0.3208252598900940	T	T	T
0.7909247997136220	0.3772595911558838	0.0394562840909103	F	F	F
0.9555996101362965	0.0529344377623957	0.2214324969818193	F	F	F
0.4575573979143996	0.7971559299412050	0.2244088666727251	F	F	F
0.2131500369795702	0.7976872161559072	0.2245790410590942	F	F	F
0.4623985897484246	0.0302163017414401	0.2220026953545471	F	F	F
0.0380568214865442	0.1213547913160932	0.4698470382375277	T	T	T

H^B-H^A-5.9%-HEA(111)

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Pt	Fe	Co	Cu	Ni	H			
32	13	10	13	12	2			
Selective dynamics								
Direct								
0.7867370600168689				0.8792553247412855		0.3171210749421370	T	T
0.0431609599898056				0.8817950252104866		0.3167819017554419	T	T
0.2779543832991407				0.3813862253123076		0.3199579882003093	T	T
0.8728014039853046				0.9616421462334269		0.4231941417701491	T	T
0.1202762561430734				0.4612768924150766		0.4302882959138817	T	T
0.1260932011349592				0.9591616839223676		0.4250026144869347	T	T
0.8733985910110619				0.4615285692821643		0.4260875966274302	T	T
0.3763822980583795				0.9594342785168857		0.4196445643849945	T	T
0.8707194208854399				0.2132640074170684		0.4244398851614154	T	T
0.1274414715957723				0.2131426652357528		0.4237744059002587	T	T
0.6250453712511673				0.9605820830886922		0.4245401317034999	T	T
0.8728489886171849				0.7112142679372784		0.4255267872910110	T	T
0.3762479155542993				0.2067942411918023		0.4234325023788779	T	T
0.3768139062624532				0.7139377024575988		0.4219578976380247	T	T
0.6261177872604256				0.4619393844665551		0.4220997587106782	T	T
0.1221903898331536				0.7138677112247073		0.4287979671063021	T	T
0.6251636729987753				0.2100127227499373		0.4217780442883452	T	T
0.5470985628073848				0.3763352750025301		0.3174577850656869	T	T
0.5345590753160391				0.1251341310549951		0.3145636001563347	T	T
0.5470002567308043				0.1235332521939583		0.0399417999772709	F	F
0.1208089481832886				0.4601783015999317		0.1280394984818187	F	F
0.0426042839541886				0.1359062417286684		0.3150371099111689	T	T
0.0424414900706935				0.1302099981111695		0.0329802953681835	F	F
0.1304832192178935				0.9579853651937356		0.1318324513636355	F	F
0.3782912362264606				0.4597261086622941		0.4289514484249175	T	T
0.4545409546936767				0.5457192756283078		0.2188518203000029	F	F
0.6231884072987813				0.7111035905538623		0.4242057598724089	T	T
0.9557150112739734				0.7901309279847197		0.2210448635636340	F	F
0.7936907342156454				0.6227772255881523		0.3187858793361220	T	T
0.2910100980095377				0.6303901080959436		0.3184566063899649	T	T
0.2026302282546482				0.2805717472619946		0.2254649220954548	F	F
0.7064516142104935				0.5493905794598390		0.2207507679909071	F	F
0.0406734632162143				0.6298203229771940		0.3255329348671557	T	T
0.7973180911857654				0.8616265572072663		0.0420760910772700	F	F
0.0560985910286504				0.8657185943694543		0.0377408024136372	F	F
0.0464128728304587				0.6281990126400245		0.0369911384090926	F	F
0.6273755757405439				0.2222416784103771		0.1287505962318178	F	F
0.3821141315863983				0.9550040284758836		0.1298830475227248	F	F
0.0349654221823151				0.3826857049055385		0.3242264316260091	T	T
0.0311405267529068				0.3816759960316460		0.0375046088681827	F	F
0.8722404389362310				0.2153943248393162		0.1282949969590916	F	F

0.9547121146441953	0.5451880757537140	0.2238905465227248	F	F	F
0.2959891791836000	0.1161558161657059	0.3210479118156222	T	T	T
0.5402951988869072	0.6302212339276144	0.3212356499909910	T	T	T
0.2952537777580275	0.1193869715983666	0.0394092290045478	F	F	F
0.5482511333458362	0.6253176515966246	0.0436557828227251	F	F	F
0.2955313611175683	0.3794825008859988	0.0388921565772762	F	F	F
0.6254873592728032	0.9499576153264400	0.1320861515409106	F	F	F
0.7063418941412323	0.7943482474494772	0.2201040810409083	F	F	F
0.8657230808985474	0.7055915708183349	0.1288086150363625	F	F	F
0.6261967559749806	0.4601083651744915	0.1271035316954539	F	F	F
0.2984953469432047	0.8750342951076260	0.3171936272326141	T	T	T
0.3058183792080129	0.8681273535812224	0.0402965921590877	F	F	F
0.6267113460374674	0.7146527937769136	0.1282718373772695	F	F	F
0.2238985663333324	0.0282395707665799	0.2273103066590920	F	F	F
0.5426930146679965	0.3810225683434538	0.0346170130500028	F	F	F
0.3782499856614123	0.2053095451189151	0.1325912588909119	F	F	F
0.1361840205679030	0.7049738332493618	0.1317829863318210	F	F	F
0.7048694108137141	0.0502839582186283	0.2203633218772723	F	F	F
0.7931550071335546	0.1304780232909614	0.3173364781708886	T	T	T
0.5384994404146519	0.8736024569285312	0.3167726777712634	T	T	T
0.7965506180334998	0.1231154660613569	0.0345346489227296	F	F	F
0.5461463374708515	0.8704875427114658	0.0358963983818157	F	F	F
0.2072223479328272	0.5428206522718000	0.2241705479818208	F	F	F
0.9515132437870619	0.2967218890154157	0.2212922910363631	F	F	F
0.8718576990639662	0.9638570180181532	0.1289765751136329	F	F	F
0.7142109858849466	0.2900443576175675	0.2233456813409092	F	F	F
0.4576441344000983	0.2914717494993724	0.2208305283954530	F	F	F
0.8758100826533664	0.4565068959120069	0.1279466825136382	F	F	F
0.1276916528005785	0.2069238958586865	0.1287633622272750	F	F	F
0.7922909547091166	0.6217683887271619	0.0402482253999992	F	F	F
0.2978485906287958	0.6254074402977565	0.0420896375636346	F	F	F
0.3856750788553356	0.7114654717221427	0.1289187271227306	F	F	F
0.3820764845414715	0.4516090485180371	0.1264952625681843	F	F	F
0.7927813089829038	0.3789657790969365	0.3206408807389557	T	T	T
0.7909247997136220	0.3772595911558838	0.0394562840909103	F	F	F
0.9555996101362965	0.0529344377623957	0.2214324969818193	F	F	F
0.4575573979143996	0.7971559299412050	0.2244088666727251	F	F	F
0.2131500369795702	0.7976872161559072	0.2245790410590942	F	F	F
0.4623985897484246	0.0302163017414401	0.2220026953545471	F	F	F
0.0353353331325524	0.1200953101005297	0.4702056418835970	T	T	T
0.2164788766809596	0.5503149349063703	0.4752074984114062	T	T	T

H^B-H^C-5.9%-HEA(111)

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Pt	Fe	Co	Cu	Ni	H			
32	13	10	13	12	2			
Selective dynamics								
Direct								
0.7875040261028398				0.8804976982017575		0.3173285362573391	T	T
0.0436252560731296				0.8851580311280337		0.3175275338238245	T	T
0.2789862314286780				0.3817163248207019		0.3195416089223203	T	T
0.8726629423971615				0.9630488554631367		0.4230189361781175	T	T
0.1221735360360466				0.4646568617594358		0.4286886795615442	T	T
0.1245051735144798				0.9622732779626265		0.4341055238194059	T	T
0.8740114326404270				0.4631687977700990		0.4269390386257611	T	T
0.3785831713649286				0.9611803246935980		0.4263079481284040	T	T
0.8710482318018455				0.2164202097594614		0.4275449407275513	T	T
0.1255261756102307				0.2168014511368336		0.4208248652129694	T	T
0.6243130055348359				0.9623130546024579		0.4229963096899514	T	T
0.8745234729627004				0.7127172258453752		0.4263358800671443	T	T
0.3751593484835151				0.2118060253803895		0.4252092701569797	T	T
0.3763936144575988				0.7125736334301349		0.4217393472086494	T	T
0.6264491777116515				0.4629995466112859		0.4220594430360568	T	T
0.1248614432585309				0.7101986216968431		0.4258558623088102	T	T
0.6238948119077485				0.2132438122643993		0.4217406697616584	T	T
0.5484653337089770				0.3762128334263807		0.3171342140218466	T	T
0.5333874769664376				0.1256477699745292		0.3148012065550850	T	T
0.5470002567308043				0.1235332521939583		0.0399417999772709	F	F
0.1208089481832886				0.4601783015999317		0.1280394984818187	F	F
0.0421369146254052				0.1373360478877831		0.3150986722824408	T	T
0.0424414900706935				0.1302099981111695		0.0329802953681835	F	F
0.1304832192178935				0.9579853651937356		0.1318324513636355	F	F
0.3741719736597089				0.4639835052679979		0.4262005632479287	T	T
0.4545409546936767				0.5457192756283078		0.2188518203000029	F	F
0.6239355896252957				0.7124043258888875		0.4235994862412664	T	T
0.9557150112739734				0.7901309279847197		0.2210448635636340	F	F
0.7938476105855070				0.6240328322032979		0.3189538082224940	T	T
0.2913724406864178				0.6326436989712357		0.3180475522994515	T	T
0.2026302282546482				0.2805717472619946		0.2254649220954548	F	F
0.7064516142104935				0.5493905794598390		0.2207507679909071	F	F
0.0405774756193292				0.6322028441729953		0.3250751251222266	T	T
0.7973180911857654				0.8616265572072663		0.0420760910772700	F	F
0.0560985910286504				0.8657185943694543		0.0377408024136372	F	F
0.0464128728304587				0.6281990126400245		0.0369911384090926	F	F
0.6273755757405439				0.2222416784103771		0.1287505962318178	F	F
0.3821141315863983				0.9550040284758836		0.1298830475227248	F	F
0.0350251768874855				0.3850444119711764		0.3240479858042460	T	T
0.0311405267529068				0.3816759960316460		0.0375046088681827	F	F
0.8722404389362310				0.2153943248393162		0.1282949969590916	F	F

0.9547121146441953	0.5451880757537140	0.2238905465227248	F	F	F
0.2949728226011505	0.1160043740378039	0.3230363838852753	T	T	T
0.5408461166269848	0.6310271518531666	0.3218234859128256	T	T	T
0.2952537777580275	0.1193869715983666	0.0394092290045478	F	F	F
0.5482511333458362	0.6253176515966246	0.0436557828227251	F	F	F
0.2955313611175683	0.3794825008859988	0.0388921565772762	F	F	F
0.6254873592728032	0.9499576153264400	0.1320861515409106	F	F	F
0.7063418941412323	0.7943482474494772	0.2201040810409083	F	F	F
0.8657230808985474	0.7055915708183349	0.1288086150363625	F	F	F
0.6261967559749806	0.4601083651744915	0.1271035316954539	F	F	F
0.2978443505102839	0.8770651591098482	0.3172455962884717	T	T	T
0.3058183792080129	0.8681273535812224	0.0402965921590877	F	F	F
0.6267113460374674	0.7146527937769136	0.1282718373772695	F	F	F
0.2238985663333324	0.0282395707665799	0.2273103066590920	F	F	F
0.5426930146679965	0.3810225683434538	0.0346170130500028	F	F	F
0.3782499856614123	0.2053095451189151	0.1325912588909119	F	F	F
0.1361840205679030	0.7049738332493618	0.1317829863318210	F	F	F
0.7048694108137141	0.0502839582186283	0.2203633218772723	F	F	F
0.7935804658669379	0.1316258568659072	0.3177433136655369	T	T	T
0.5369422353070180	0.8751552493373655	0.3177329684846986	T	T	T
0.7965506180334998	0.1231154660613569	0.0345346489227296	F	F	F
0.5461463374708515	0.8704875427114658	0.0358963983818157	F	F	F
0.2072223479328272	0.5428206522718000	0.2241705479818208	F	F	F
0.9515132437870619	0.2967218890154157	0.2212922910363631	F	F	F
0.8718576990639662	0.9638570180181532	0.1289765751136329	F	F	F
0.7142109858849466	0.2900443576175675	0.2233456813409092	F	F	F
0.4576441344000983	0.2914717494993724	0.2208305283954530	F	F	F
0.8758100826533664	0.4565068959120069	0.1279466825136382	F	F	F
0.1276916528005785	0.2069238958586865	0.1287633622272750	F	F	F
0.7922909547091166	0.6217683887271619	0.0402482253999992	F	F	F
0.2978485906287958	0.6254074402977565	0.0420896375636346	F	F	F
0.3856750788553356	0.7114654717221427	0.1289187271227306	F	F	F
0.3820764845414715	0.4516090485180371	0.1264952625681843	F	F	F
0.7938267187561359	0.3795109651183114	0.3207465342805089	T	T	T
0.7909247997136220	0.3772595911558838	0.0394562840909103	F	F	F
0.9555996101362965	0.0529344377623957	0.2214324969818193	F	F	F
0.4575573979143996	0.7971559299412050	0.2244088666727251	F	F	F
0.2131500369795702	0.7976872161559072	0.2245790410590942	F	F	F
0.4623985897484246	0.0302163017414401	0.2220026953545471	F	F	F
-0.0204580586257767	0.0818932643747370	0.4812112379705145	T	T	T
0.2477669565179106	-0.0366973570717205	0.4822069227689301	T	T	T

H₂-5.9%-HEA(111)

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Pt	Fe	Co	Cu	Ni	H			
32	13	10	13	12	2			
Selective dynamics								
Direct								
0.7872371778935290				0.8788636672452164		0.3175466767862037	T	T
0.0426781491432636				0.8823650269012833		0.3158146951740492	T	T
0.2800233043653830				0.3803394822745351		0.3196999304290937	T	T
0.8754995737240663				0.9620521081418104		0.4242134390023810	T	T
0.1235161325106780				0.4619969474998401		0.4282952590197112	T	T
0.1259056928243786				0.9610711704932652		0.4215213428452614	T	T
0.8754940216679151				0.4599291471252899		0.4268237178753214	T	T
0.3762317425248135				0.9596928051921474		0.4205102013261539	T	T
0.8752298062392809				0.2112264183516363		0.4207923925854104	T	T
0.1266704062623518				0.2107520556836136		0.4221917855767472	T	T
0.6261272375713436				0.9605183239754010		0.4241767833657849	T	T
0.8754833068666265				0.7107167014838469		0.4267886436346932	T	T
0.3760161299580182				0.2090352554361887		0.4253435484932276	T	T
0.3769826141364955				0.7118703040520735		0.4239390410847196	T	T
0.6267653745423629				0.4610946982565586		0.4225356195858399	T	T
0.1255308668344654				0.7109586857686355		0.4268652347830093	T	T
0.6261907685963074				0.2104932240643039		0.4222493542122885	T	T
0.5488248095249909				0.3753353981850138		0.3171739032589128	T	T
0.5348248314834616				0.1242760186701279		0.3150230981109958	T	T
0.5470002567308043				0.1235332521939583		0.0399417999772709	F	F
0.1208089481832886				0.4601783015999317		0.1280394984818187	F	F
0.0437422295287760				0.1366573175709307		0.3141576832517529	T	T
0.0424414900706935				0.1302099981111695		0.0329802953681835	F	F
0.1304832192178935				0.9579853651937356		0.1318324513636355	F	F
0.3755166447742225				0.4611788326647108		0.4263932443206824	T	T
0.4545409546936767				0.5457192756283078		0.2188518203000029	F	F
0.6245008731505943				0.7109144099765112		0.4241106878004999	T	T
0.9557150112739734				0.7901309279847197		0.2210448635636340	F	F
0.7949598884981139				0.6219878422117323		0.3190752097961280	T	T
0.2921383320417445				0.6309620262874132		0.3184369967819825	T	T
0.2026302282546482				0.2805717472619946		0.2254649220954548	F	F
0.7064516142104935				0.5493905794598390		0.2207507679909071	F	F
0.0411254997645959				0.6306256940350851		0.3257416190168108	T	T
0.7973180911857654				0.8616265572072663		0.0420760910772700	F	F
0.0560985910286504				0.8657185943694543		0.0377408024136372	F	F
0.0464128728304587				0.6281990126400245		0.0369911384090926	F	F
0.6273755757405439				0.2222416784103771		0.1287505962318178	F	F
0.3821141315863983				0.9550040284758836		0.1298830475227248	F	F
0.0363981716182228				0.3831504245480091		0.3248391042166364	T	T
0.0311405267529068				0.3816759960316460		0.0375046088681827	F	F
0.8722404389362310				0.2153943248393162		0.1282949969590916	F	F

0.9547121146441953	0.5451880757537140	0.2238905465227248	F	F	F
0.2966911972384251	0.1164380447430289	0.3215682195881576	T	T	T
0.5407170595244978	0.6300179881829333	0.3220434622271121	T	T	T
0.2952537777580275	0.1193869715983666	0.0394092290045478	F	F	F
0.5482511333458362	0.6253176515966246	0.0436557828227251	F	F	F
0.2955313611175683	0.3794825008859988	0.0388921565772762	F	F	F
0.6254873592728032	0.9499576153264400	0.1320861515409106	F	F	F
0.7063418941412323	0.7943482474494772	0.2201040810409083	F	F	F
0.8657230808985474	0.7055915708183349	0.1288086150363625	F	F	F
0.6261967559749806	0.4601083651744915	0.1271035316954539	F	F	F
0.2980502390869530	0.8755324521334942	0.3181296843711975	T	T	T
0.3058183792080129	0.8681273535812224	0.0402965921590877	F	F	F
0.6267113460374674	0.7146527937769136	0.1282718373772695	F	F	F
0.2238985663333324	0.0282395707665799	0.2273103066590920	F	F	F
0.5426930146679965	0.3810225683434538	0.0346170130500028	F	F	F
0.3782499856614123	0.2053095451189151	0.1325912588909119	F	F	F
0.1361840205679030	0.7049738332493618	0.1317829863318210	F	F	F
0.7048694108137141	0.0502839582186283	0.2203633218772723	F	F	F
0.7936259770568579	0.1298873870483245	0.3172208190232866	T	T	T
0.5387049347795566	0.8728050739771195	0.3169375661401658	T	T	T
0.7965506180334998	0.1231154660613569	0.0345346489227296	F	F	F
0.5461463374708515	0.8704875427114658	0.0358963983818157	F	F	F
0.2072223479328272	0.5428206522718000	0.2241705479818208	F	F	F
0.9515132437870619	0.2967218890154157	0.2212922910363631	F	F	F
0.8718576990639662	0.9638570180181532	0.1289765751136329	F	F	F
0.7142109858849466	0.2900443576175675	0.2233456813409092	F	F	F
0.4576441344000983	0.2914717494993724	0.2208305283954530	F	F	F
0.8758100826533664	0.4565068959120069	0.1279466825136382	F	F	F
0.1276916528005785	0.2069238958586865	0.1287633622272750	F	F	F
0.7922909547091166	0.6217683887271619	0.0402482253999992	F	F	F
0.2978485906287958	0.6254074402977565	0.0420896375636346	F	F	F
0.3856750788553356	0.7114654717221427	0.1289187271227306	F	F	F
0.3820764845414715	0.4516090485180371	0.1264952625681843	F	F	F
0.7934603681270049	0.3787687254435396	0.3205811590732114	T	T	T
0.7909247997136220	0.3772595911558838	0.0394562840909103	F	F	F
0.9555996101362965	0.0529344377623957	0.2214324969818193	F	F	F
0.4575573979143996	0.7971559299412050	0.2244088666727251	F	F	F
0.2131500369795702	0.7976872161559072	0.2245790410590942	F	F	F
0.4623985897484246	0.0302163017414401	0.2220026953545471	F	F	F
0.0793990938515137	0.0891693881075891	0.5567114661597622	T	T	T
0.1616610862898024	0.0469020131114457	0.5548335514029991	T	T	T