

Group	Group 1									
Action	STEP									
Min of Power	Column Labels									
Row Labels		0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.9
Always Awake										
0		0.323388995								
Duty Cycling										
1										
5										
3										
4										
20										
2										
30										
10										
Duty Cycling + Batching										
1		1.269767713								
5		0.328239681								
3		0.482683193								
4		0.385591521								
20		0.181177617								
2		0.677898792								
30		0.182246682								
10		0.219759443								
WakeUpCondition_Step										
ema_lpf		0.048470696	0.047529667	0.047923732	0.046997413	0.044989481	0.047437162	0.044562275	0.043947996	0.044656842
fft_lpf		0.09209766	0.090866707	0.090484283				0.090577129	0.089943198	
threshold		0.049579832	0.04936027	0.049069242	0.048967741	0.049052664			0.049553373	

Group	Group 2									
Action	STEP									
Min of Power	Column Labels									
Row Labels		0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91
Always Awake										
0		0.323393014								
Duty Cycling										
1										
5										
3										
4										
20										
2										
30										
10										
Duty Cycling + Batching										
1		1.269642146								
5		0.328415765								
3		0.482624074								
4		0.385453818								
20		0.181268017								
2		0.677662977								
30		0.182397071								
10		0.219854859								
WakeUpCondition_Step										
ema_lpf		0.188963651	0.178245624	0.161285833	0.15824711	0.163856069	0.156913584	0.184165305	0.161159366	0.169479633
fft_lpf		0.217547287	0.205660306	0.203196157				0.20225081		
threshold		0.192166656	0.186417965	0.186384196		0.186832886		0.187456269		

Group	Group 3								
Action	STEP								
Min of Power	Column Labels								
Row Labels		0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.9
Always Awake									
0		0.323312466							
Duty Cycling									
1									
5									
3									
4									
20									
2									
30									
10									
Duty Cycling + Batching									
1		1.269654157							
5		0.328277683							
3		0.482626752							
4		0.385336385							
20		0.181056636							
2		0.677744275							
30		0.182202536							
10		0.2196465							
WakeUpCondition_Step									
ema_lpf		0.322259375	0.316561106	0.294979759	0.275438864	0.239062238	0.238742374	0.227862066	0.272545748
fft_lpf			0.296175827	0.279304416	0.27541794	0.268623064			
threshold		0.322915858	0.323815685	0.343037565	0.340079123	0.336328988		0.330784387	

Group	Group 1																
Action	HEADBUTT																
Min of Power		Column Labels															
Row Labels		0.78	0.72	0.67	0.61	0.56	0.5	0.44	0.39	0.33	0.28	0.22	0.17	0.11	0.06	0	
Always Awake																	
0		0.323388995															
Duty Cycling																	
1					0.43814393												
5							0.212089212										
3								0.284592751									
4									0.242791483								
20										0.077868846							
2											0.344408656						
30													0.056947351				
10														0.131905909			
Duty Cycling + Batching																	
1		1.269767713															
5		0.328239681															
3		0.482683193															
4		0.385591521															
20		0.181177617															
2		0.677898792															
30		0.182246682															
10		0.219759443															
WakeUpCondition_Headbutt																	
ema_lpf		0.048224084	0.047861245	0.047697071	0.047568625	0.047555053	0.047586391	0.04717905	0.047070403	0.047563173	0.046595415	0.045003436	0.044163305	0.02204782	0.019991576	0.014751941	
fft_lpf		0.06007204	0.060052067	0.060034613	0.060044019	0.059997284	0.060017744		0.060127521	0.059981062	0.059966467	0.059880651	0.059871228	0.059330481			0.059143371
threshold		0.048569598	0.04824795	0.047881466		0.048501763	0.048217521			0.048421751							

Group	Group 2										
Action	HEADBUTT										
Min of Power	Column Labels										
Row Labels	1	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.9	
Always Awake											
0	0.323393014										
Duty Cycling											
1											
5											
3											
4											
20											
2											
30											
10											
Duty Cycling + Batching											
1	1.269642146										
5	0.328415765										
3	0.482624074										
4	0.385453818										
20	0.181268017										
2	0.677662977										
30	0.182397071										
10	0.219854859										
WakeUpCondition_Headbutt											
ema_lpf	0.229548171	0.206808249		0.204059684		0.255220296		0.203468251	0.200288761		
fft_lpf	0.065198927	0.065727096	0.068160258	0.065289685	0.069676009	0.065602872	0.065008429	0.065134583	0.068209226		
threshold	0.187248461	0.185599417		0.183714338		0.181771661					

Group	Group 3												
Action	HEADBUTT												
Min of Power	Column Labels												
Row Labels	1	0.97	0.95	0.94	0.93	0.92	0.91	0.9	0.88	0.87	0.86	0.85	
Always Awake													
0	0.323312466												
Duty Cycling													
1												0.438034363	
5													
3													
4													
20													
2													
30													
10													
Duty Cycling + Batching													
1	1.269654157												
5	0.328277683												
3	0.482626752												
4	0.385336385												
20	0.181056636												
2	0.677744275												
30	0.182202536												
10	0.2196465												
WakeUpCondition_Headbutt													
ema_lpf	0.320056047	0.313397106	0.32718361	0.317028431	0.315453679		0.31452977	0.313287892	0.320855238	0.31453628	0.312831281		
fft_lpf	0.06577627	0.065606729		0.06574855	0.066433431		0.06563454		0.065440528		0.066409278		
threshold	0.318221134	0.32167627					0.302383768			0.283129237			

Group	Group 1												
Action	NORMAL_TO_SIT_TRANSITION												
Min of Power	Column Labels												
Row Labels	1	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.9			
Always Awake													
0		0.323388995											
Duty Cycling													
1		0.43814393											
5													
3													
4													
20													
2											0.344408656		
30													
10													
Duty Cycling + Batching													
1		1.269767713											
5		0.328239681											
3		0.482683193											
4		0.385591521											
20		0.181177617											
2		0.677898792											
30		0.182246682											
10		0.219759443											
WakeUpCondition_Transitions													
ema_lpf		0.018710406	0.018728894	0.01896044	0.018591433	0.018439357	0.018304429	0.018329908	0.018193977	0.018200612	0.018179586		
fft_lpf		0.064239897	0.064186668	0.064266702	0.064189256	0.064226705	0.064015988	0.064074681	0.063937133	0.063810479	0.063933625		
threshold		0.022462131	0.021169939	0.021351701	0.021082424	0.021846689	0.020807947	0.021707035	0.02056014	0.020367493	0.02065577		

Group	Group 2												
Action	NORMAL_TO_SIT_TRANSITION												
Min of Power	Column Labels												
Row Labels	1	0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.9		
Always Awake													
0		0.323393014											
Duty Cycling													
1		0.438169624											
5													
3													
4													
20													
2					0.344478656								
30													
10													
Duty Cycling + Batching													
1		1.269642146											
5		0.328415765											
3		0.482624074											
4		0.385453818											
20		0.181268017											
2		0.677662977											
30		0.182397071											
10		0.219854859											
WakeUpCondition_Transitions													
ema_lpf		0.043805704	0.042276791	0.042279114	0.041841344	0.041295191	0.042987041	0.041419063	0.040650021	0.040163229	0.039891041	0.041160725	
fft_lpf		0.089157404	0.088184882	0.087095928	0.087260537	0.087501141	0.086693497	0.086655345	0.085638097	0.084862653	0.084971885	0.084536293	
threshold			0.205784408	0.202301323	0.068722993	0.067543575	0.062748366	0.063177961	0.087648939	0.058536143	0.058139036	0.057301541	



Group	Group 3
Action	NORMAL_TO_SIT_TRANSITION
Min of Power	Column Labels
Row Labels	10.990.980.970.960.950.940.930.920.910.9
Always Awake	
0	0.323312466
Duty Cycling	
1	0.438034363
5	
3	
4	
20	
2	0.344455066
30	
10	
Duty Cycling + Batching	
1	1.269654157
5	0.328277683
3	0.482626752
4	0.385336385
20	0.181056636
2	0.677744275
30	0.182202536
10	0.2196465
WakeUpCondition_Transitions	
ema_lpf	0.0523789440.0520466970.0511548530.0491984150.0493853360.0498132220.0483367480.0486708770.0481723290.0475703570.048961486
fft_lpf	0.0988442060.0980928860.0973034220.0979756790.0974519610.0967916420.0964439510.0947821480.0961249390.0946791890.094611381
threshold	0.2759374580.0678395640.0660143760.0665186080.0747315080.0689890170.0647852910.0611189610.063702041

Group	Group 1										
Action	SIT_TO_NORMAL_TRANSITION										
Min of Power	Column Labels										
Row Labels	1	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.9	
Always Awake											
0		0.323388995									
Duty Cycling											
1		0.43814393									
5											
3				0.284592751							
4							0.242791483				
20											
2			0.344408656								
30											
10											
Duty Cycling + Batching											
1		1.269767713									
5		0.328239681									
3		0.482683193									
4		0.385591521									
20		0.181177617									
2		0.677898792									
30		0.182246682									
10		0.219759443									
WakeUpCondition_Transitions											
ema_lpf		0.018787669	0.018749178	0.018749537	0.018638779	0.018547161	0.01848205	0.018700668	0.018452024	0.018359065	0.018410628
fft_lpf		0.064531184	0.06447587	0.064457802	0.064349029	0.064399578	0.064425699	0.064298972	0.064385033	0.064176997	0.064320228
threshold		0.02029547	0.022382672	0.02235106	0.022730723		0.021169939	0.020355286	0.021128382	0.021782684	0.021656426



Group	Group 3										
Action	SIT_TO_NORMAL_TRANSITION										
Min of Power	Column Labels										
Row Labels		0.99	0.98	0.97	0.96	0.95	0.94	0.93	0.92	0.91	0.9
Always Awake											
0		0.323312466									
Duty Cycling											
1		0.438034363									
5											
3									0.284562465		
4								0.242778436			
20											
2				0.344455066							
30											
10											
Duty Cycling + Batching											
1		1.269654157									
5		0.328277683									
3		0.482626752									
4		0.385336385									
20		0.181056636									
2		0.677744275									
30		0.182202536									
10		0.2196465									
WakeUpCondition_Transitions											
ema_lpf		0.051559792	0.052090875	0.051278624	0.050467778	0.050830965	0.050930199	0.049524267	0.049378921	0.04877527	0.048323004
fft_lpf		0.097853089	0.097458161	0.097018594	0.096299709	0.0963894	0.096050599	0.095451455	0.094936708	0.094477392	0.094456812
threshold		0.059943962	0.059711336	0.058162123	0.070535805	0.085403991	0.07884266	0.069836552	0.055717399	0.061480596	0.074958204