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CSAA1 Worksheet for Data Analysis and Calculations

Number	Array Row	Array Column	SubArray Row	SubArray Column	Name	Cy3 Signal Value (arbitrary Units)	Cy3 Signal Value (arbitrary Units)
1	1	1	1	1	Apoptosis Inducing Factor (AIF)		
2	1	1	1	2	Apoptosis Inducing Factor (AIF)		
3	1	1	1	3	ARTS		
4	1	1	1	4	ARTS		
5	1	1	2	1	Bcl-x		
6	1	1	2	2	Bcl-x		
7	1	1	2	3	Bcl-xl		
8	1	1	2	4	Bcl-xl		
9	1	1	3	1	Caspase 3		
10	1	1	3	2	Caspase 3		
11	1	1	3	3	Bcl-10		
12	1	1	3	4	Bcl-10		
13	1	1	4	1	Caspase3 active		
14	1	1	4	2	Caspase 3 active		
15	1	1	4	3	Negative Control		
16	1	1	4	4	Anti Cy3+Cy5		
17	1	2	1	1	Caspase4		
18	1	2	1	2	Caspase4		
19	1	2	1	3	Caspase 4 (mono)		
20	1	2	1	4	Caspase 4 (mono)		
21	1	2	2	1	Caspase 5		
22	1	2	2	2	Caspase 5		
23	1	2	2	3	Caspase 6		
24	1	2	2	4	Caspase 6		
25	1	2	3	1	Caspase 7		
26	1	2	3	2	Caspase 7		
27	1	2	3	3	Caspase 8		
28	1	2	3	4	Caspase8		
29	1	2	4	1	Caspase 8 (poly)		
30	1	2	4	2	Caspase 8 (poly)		
31	1	2	4	3	Negative Control		
32	1	2	4	4	Anti Cy3+Cy5		
33	1	3	1	1	Procaspase 8		
34	1	3	1	2	Procaspase 8		
35	1	3	1	3	Caspase 9		
36	1	3	1	4	Caspase 9		
37	1	3	2	1	Caspase10		
38	1	3	2	2	Caspase 10		
39	1	3	2	3	Caspase 10		
40	1	3	2	4	Caspase 10		
41	1	3	3	1	Caspase 11		
42	1	3	3	2	Caspase 11		
43	1	3	3	3	Caspase12		
44	1	3	3	4	Caspase12		
45	1	3	4	1	Cathapsin D		
46	1	3	4	2	Cathapsin D		
47	1	3	4	3	Negative Control		
48	1	3	4	4	Anti Cy3+Cy5		
49	1	4	1	1	Cystatin A		
50	1	4	1	2	Cystatin A		
51	1	4	1	3	DAXX		
52	1	4	1	4	DAXX		
53	1	4	2	1	DAPK		
54	1	4	2	2	DAPK		

Number	Array Row	Array Column	SubArray Row	SubArray Column	Name	Cy3 Signal Value (arbitrary Units)	Cy3 Signal Value (arbitrary Units)
55	1	4	2	3	DAPK pSer308		
56	1	4	2	4	DAPK pSer308		
57	1	4	3	1	GADD 153		
58	1	4	3	2	GADD 153		
59	1	4	3	3	PAR4		
60	1	4	3	4	PAR4		
61	1	4	4	1	PSR		
62	1	4	4	2	PSR		
63	1	4	4	3	Negative Control		
64	1	4	4	4	Anti Cy3+Cy5		
65	2	1	1	1	SMAC/DIABLO		
66	2	1	1	2	SMAC/DIABLO		
67	2	1	1	3	c-Abl		
68	2	1	1	4	c-Abl		
69	2	1	2	1	cdc25		
70	2	1	2	2	cdc25		
71	2	1	2	3	cdc27		
72	2	1	2	4	cdc27		
73	2	1	3	1	cdc6		
74	2	1	3	2	cdc6		
75	2	1	3	3	cdh1		
76	2	1	3	4	cdh1		
77	2	1	4	1	cdk4		
78	2	1	4	2	cdk4		
79	2	1	4	3	Negative Control		
80	2	1	4	4	Anti Cy3+Cy5		
81	2	2	1	1	cdk6		
82	2	2	1	2	cdk6		
83	2	2	1	3	cdk7		
84	2	2	1	4	cdk7		
85	2	2	2	1	chk1		
86	2	2	2	2	chk1		
87	2	2	2	3	chk2		
88	2	2	2	4	chk2		
89	2	2	3	1	c-Myc		
90	2	2	3	2	c-Myc		
91	2	2	3	3	c-Myc (mono)		
92	2	2	3	4	c-Myc (mono)		
93	2	2	4	1	E2F1		
94	2	2	4	2	E2F1		
95	2	2	4	3	Negative Control		
96	2	2	4	4	Anti Cy3+Cy5		
97	2	3	1	1	Cyclin A (poly)		
98	2	3	1	2	Cyclin A (poly)		
99	2	3	1	3	Cyclin A (mono)		
100	2	3	1	4	Cyclin A (mono)		
101	2	3	2	1	Cyclin B1		
102	2	3	2	2	Cyclin B1		
103	2	3	2	3	Cyclin D1		
104	2	3	2	4	Cyclin D1		
105	2	3	3	1	Cyclin D2		
106	2	3	3	2	Cyclin D2		
107	2	3	3	3	Cyclin D3		
108	2	3	3	4	Cyclin D3		
109	2	3	4	1	MDM2		
110	2	3	4	2	MDM2		
111	2	3	4	3	Negative Control		
112	2	3	4	4	Anti Cy3+Cy5		
113	2	4	1	1	p14		
114	2	4	1	2	p14		
115	2	4	1	3	p16		
116	2	4	1	4	p16		

Number	Array Row	Array Column	SubArray Row	SubArray Column	Name	Cy3 Signal Value (arbitrary Units)	Cy3 Signal Value (arbitrary Units)
117	2	4	2	1	p19		
118	2	4	2	2	p19		
119	2	4	2	3	p21		
120	2	4	2	4	p21		
121	2	4	3	1	p34		
122	2	4	3	2	p34		
123	2	4	3	3	p35		
124	2	4	3	4	p35		
125	2	4	4	1	p53		
126	2	4	4	2	p53		
127	2	4	4	3	Negative Control		
128	2	4	4	4	Anti Cy3+Cy5		
129	3	1	1	1	p57		
130	3	1	1	2	p57		
131	3	1	1	3	p63		
132	3	1	1	4	p63		
133	3	1	2	1	Rb pSer795		
134	3	1	2	2	Rb pSer795		
135	3	1	2	3	Smad4		
136	3	1	2	4	Smad4		
137	3	1	3	1	AP-1/cJUN		
138	3	1	3	2	AP-1/cJUN		
139	3	1	3	3	ATF2		
140	3	1	3	4	ATF2		
141	3	1	4	1	CUG-BP1		
142	3	1	4	2	CUG-BP1		
143	3	1	4	3	Negative Control		
144	3	1	4	4	Anti Cy3+Cy5		
145	3	2	1	1	HAT1		
146	3	2	1	2	HAT1		
147	3	2	1	3	HDAC1		
148	3	2	1	4	HDAC1		
149	3	2	2	1	HDAC2		
150	3	2	2	2	HDAC2		
151	3	2	2	3	HDAC4		
152	3	2	2	4	HDAC4		
153	3	2	3	1	SUV39H1		
154	3	2	3	2	SUV39H1		
155	3	2	3	3	PCAF		
156	3	2	3	4	PCAF		
157	3	2	4	1	hnRNP M3-M4		
158	3	2	4	2	hnRNP M3-M4		
159	3	2	4	3	Negative Control		
160	3	2	4	4	Anti Cy3+Cy5		
161	3	3	1	1	pHistone H3-pSer10		
162	3	3	1	2	pHistone H3-pSer10		
163	3	3	1	3	pHistone H3-pSer28		
164	3	3	1	4	pHistone H3-pSer28		
165	3	3	2	1	Acetyl and Phospho Histone 3		
166	3	3	2	2	Acetyl and Phospho Histone 3		
167	3	3	2	3	Acetyl Histone 3-Ac-Lys 9		
168	3	3	2	4	Acetyl Histone 3-Ac-Lys 9		
169	3	3	3	1	RAN		
170	3	3	3	2	RAN		
171	3	3	3	3	NTF2		
172	3	3	3	4	NTF2		
173	3	3	4	1	Topoisomerase 1		
174	3	3	4	2	Topoisomerase 1		
175	3	3	4	3	Negative Control		
176	3	3	4	4	Anti Cy3+Cy5		
177	3	4	1	1	TRF1		
178	3	4	1	2	TRF1		

Number	Array Row	Array Column	SubArray Row	SubArray Column	Name	Cy3 Signal Value (arbitrary Units)	Cy3 Signal Value (arbitrary Units)
179	3	4	1	3	Aop-1		
180	3	4	1	4	Aop-1		
181	3	4	2	1	HSP70		
182	3	4	2	2	HSP70		
183	3	4	2	3	HSP90		
184	3	4	2	4	HSP90		
185	3	4	3	1	Nedd8		
186	3	4	3	2	Nedd8		
187	3	4	3	3	Calcineurin		
188	3	4	3	4	Calcineurin		
189	3	4	4	1	Calmodulin		
190	3	4	4	2	Calmodulin		
191	3	4	4	3	Negative Control		
192	3	4	4	4	Anti Cy3+Cy5		
193	4	1	1	1	Calnexin		
194	4	1	1	2	Calnexin		
195	4	1	1	3	Calponin		
196	4	1	1	4	Calponin		
197	4	1	2	1	Calreticulin		
198	4	1	2	2	Calreticulin		
199	4	1	2	3	Actin		
200	4	1	2	4	Actin		
201	4	1	3	1	Actin mono.		
202	4	1	3	2	Actin mono.		
203	4	1	3	3	β-Actin mono.		
204	4	1	3	4	β-Actin mono.		
205	4	1	4	1	Actopaxin		
206	4	1	4	2	Actopaxin		
207	4	1	4	3	Negative Control		
208	4	1	4	4	Anti Cy3+Cy5		
209	4	2	1	1	Adaptin		
210	4	2	1	2	Adaptin		
211	4	2	1	3	βCOP		
212	4	2	1	4	βCOP		
213	4	2	2	1	αCatenin		
214	4	2	2	2	αCatenin		
215	4	2	2	3	βCatenin		
216	4	2	2	4	αCatenin		
217	4	2	3	1	Plakoglobin		
218	4	2	3	2	Plakoglobin		
219	4	2	3	3	Caveolin1		
220	4	2	3	4	Caveolin1		
221	4	2	4	1	Clathrin l.c.		
222	4	2	4	2	Clathrin l.c.		
223	4	2	4	3	Negative Control		
224	4	2	4	4	Anti Cy3+Cy5		
225	4	3	1	1	Connexin 32		
226	4	3	1	2	Connexin 32		
227	4	3	1	3	Connexin 32 (mono)		
228	4	3	1	4	Connexin 32 mono		
229	4	3	2	1	Connexin 43		
230	4	3	2	2	Connexin 43		
231	4	3	2	3	cytokeratin 8.12		
232	4	3	2	4	cytokeratin 8.12		
233	4	3	3	1	cytokeratin 8.60		
234	4	3	3	2	cytokeratin 8.60		
235	4	3	3	3	cytokeratin 19		
236	4	3	3	4	cytokeratin 19		
237	4	3	4	1	cytokeratin 4		
238	4	3	4	2	cytokeratin 4		
239	4	3	4	3	Negative Control		
240	4	3	4	4	Anti Cy3+Cy5		

Number	Array Row	Array Column	SubArray Row	SubArray Column	Name	Cy3 Signal Value (arbitrary Units)	Cy3 Signal Value (arbitrary Units)
241	4	4	1	1	cytokeratin 7		
242	4	4	1	2	cytokeratin 7		
243	4	4	1	3	cytokeratin 8.13		
244	4	4	1	4	cytokeratin 8.13		
245	4	4	2	1	cytokeratin 13		
246	4	4	2	2	cytokeratin 13		
247	4	4	2	3	cytokeratin 18		
248	4	4	2	4	cytokeratin 18		
249	4	4	3	1	pan Cytokeratin		
250	4	4	3	2	pan Cytokeratin		
251	4	4	3	3	Desmin		
252	4	4	3	4	Desmin		
253	4	4	4	1	Dystrophin		
254	4	4	4	2	Dystrophin		
255	4	4	4	3	Anti Cy3+Cy5		
256	4	4	4	4	Anti Cy3+Cy5		
257	5	1	1	1	Ezrin		
258	5	1	1	2	Ezrin		
259	5	1	1	3	Fibronectin		
260	5	1	1	4	Fibronectin		
261	5	1	2	1	Internexin		
262	5	1	2	2	Internexin		
263	5	1	2	3	MAP1		
264	5	1	2	4	MAP1		
265	5	1	3	1	MAP1b		
266	5	1	3	2	MAP1b		
267	5	1	3	3	MAP2		
268	5	1	3	4	MAP2		
269	5	1	4	1	OP18/Stathmin		
270	5	1	4	2	OP18/Stathmin		
271	5	1	4	3	Negative Control		
272	5	1	4	4	Anti Cy3+Cy5		
273	5	2	1	1	Myosin IIA		
274	5	2	1	2	Myosin IIA		
275	5	2	1	3	myosin Va		
276	5	2	1	4	myosin Va		
277	5	2	2	1	Pan Cadherin		
278	5	2	2	2	Pan Cadherin		
279	5	2	2	3	Spectrin		
280	5	2	2	4	Spectrin		
281	5	2	3	1	Tropomyosin		
282	5	2	3	2	Tropomyosin		
283	5	2	3	3	Vinculin		
284	5	2	3	4	Vinculin		
285	5	2	4	1	Chondroitin Sulfate		
286	5	2	4	2	Chondroitin Sulfate		
287	5	2	4	3	Negative Control		
288	5	2	4	4	Anti Cy3+Cy5		
289	5	3	1	1	αTubulin		
290	5	3	1	2	αTubulin		
291	5	3	1	3	βTubulin I		
292	5	3	1	4	βTubulin I		
293	5	3	2	1	βTubulin III		
294	5	3	2	2	βTubulin III		
295	5	3	2	3	βTubulin IV		
296	5	3	2	4	βTubulin IV		
297	5	3	3	1	βTubulin polyglutamylated		
298	5	3	3	2	βTubulin polyglutamylated		
299	5	3	3	3	γ Tubulin		
300	5	3	3	4	γ Tubulin		
301	5	3	4	1	α1 Syntrophin		
302	5	3	4	2	α1 Syntrophin		

Number	Array Row	Array Column	SubArray Row	SubArray Column	Name	Cy3 Signal Value (arbitrary Units)	Cy3 Signal Value (arbitrary Units)
303	5	3	4	3	Negative Control		
304	5	3	4	4	Anti Cy3+Cy5		
305	5	4	1	1	i-NOS		
306	5	4	1	2	i-NOS		
307	5	4	1	3	i-NOS (mono)		
308	5	4	1	4	i-NOS (mono)		
309	5	4	2	1	b-NOS		
310	5	4	2	2	b-NOS		
311	5	4	2	3	b-NOS (mono)		
312	5	4	2	4	b-NOS (mono)		
313	5	4	3	1	e-NOS		
314	5	4	3	2	e-NOS		
315	5	4	3	3	e-NOS		
316	5	4	3	4	e-NOS		
317	5	4	4	1	e-NOS (mono)		
318	5	4	4	2	e-NOS (mono)		
319	5	4	4	3	Negative Control		
320	5	4	4	4	Anti Cy3+Cy5		
321	6	1	1	1	Amyloid Precursor Protein (APP)		
322	6	1	1	2	Amyloid Precursor Protein (APP)		
323	6	1	1	3	Amyloid Precursor Protein (APP) c-terminal		
324	6	1	1	4	Amyloid Precursor Protein (APP) c-terminal		
325	6	1	2	1	CNPase		
326	6	1	2	2	CNPase		
327	6	1	2	3	Cofilin		
328	6	1	2	4	Cofilin		
329	6	1	3	1	DOPA Decarboxylase		
330	6	1	3	2	DOPA Decarboxylase		
331	6	1	3	3	Dystrophin		
332	6	1	3	4	Dystrophin		
333	6	1	4	1	Glutamate receptor NMDAR 2a		
334	6	1	4	2	Glutamate receptor NMDAR 2a		
335	6	1	4	3	Negative Control		
336	6	1	4	4	Anti Cy3+Cy5		
337	6	2	1	1	Glutamic Acid Decarboxlase (GAD65/67)		
338	6	2	1	2	Glutamic Acid Decarboxlase (GAD65/67)		
339	6	2	1	3	Glutamine Syntethase		
340	6	2	1	4	Glutamine Syntethase		
341	6	2	2	1	Nerve growth factor receptor (NGFRp75)		
342	6	2	2	2	Nerve growth factor receptor (NGFRp75)		
343	6	2	2	3	Nerve growth factor receptor		
344	6	2	2	4	Nerve growth factor receptor		
345	6	2	3	1	KIF3A		
346	6	2	3	2	KIF3A		
347	6	2	3	3	Nicastrin		
348	6	2	3	4	Nicastrin		
349	6	2	4	1	SNAP-25		
350	6	2	4	2	SNAP-25		
351	6	2	4	3	Negative Control		
352	6	2	4	4	Anti Cy3+Cy5		
353	6	3	1	1	S-100 β		
354	6	3	1	2	S-100 β		
355	6	3	1	3	S-100		
356	6	3	1	4	S-100		
357	6	3	2	1	Neurofilament 200		
358	6	3	2	2	Neurofilament 200		
359	6	3	2	3	Neurofilament 200		

Number	Array Row	Array Column	SubArray Row	SubArray Column	Name	Cy3 Signal Value (arbitrary Units)	Cy3 Signal Value (arbitrary Units)
360	6	3	2	4	Neurofilament 200		
361	6	3	3	1	Synaptotagmin		
362	6	3	3	2	Synaptotagmin		
363	6	3	3	3	Syntaxin		
364	6	3	3	4	Syntaxin		
365	6	3	4	1	Synuclein		
366	6	3	4	2	Synuclein		
367	6	3	4	3	Negative Control		
368	6	3	4	4	Anti Cy3+Cy5		
369	6	4	1	1	Synuclein (mono)		
370	6	4	1	2	Synuclein (mono)		
371	6	4	1	3	Tyrosin Hydroxlase		
372	6	4	1	4	Tyrosin Hydroxlase		
373	6	4	2	1	Tau-pSer199/202		
374	6	4	2	2	Tau-pSer199/202		
375	6	4	2	3	$p120^{CTN}$		
376	6	4	2	4	$p120^{CTN}$		
377	6	4	3	1	Tryptophane Hydroxlase		
378	6	4	3	2	Tryptophane Hydroxlase		
379	6	4	3	3	ARNO		
380	6	4	3	4	ARNO		
381	6	4	4	1	GAP1		
382	6	4	4	2	GAP1		
383	6	4	4	3	Negative Control		
384	6	4	4	4	Anti Cy3+Cy5		
385	7	1	1	1	GRP1(ARNO3)		
386	7	1	1	2	GRP1(ARNO3)		
387	7	1	1	3	Crk-L		
388	7	1	1	4	Crk-L		
389	7	1	2	1	CAM Kinase II		
390	7	1	2	2	CAM Kinase II		
391	7	1	2	3	CAM Kinase IV		
392	7	1	2	4	CAM Kinase IV		
393	7	1	3	1	EGF Receptor		
394	7	1	3	2	EGF Receptor		
395	7	1	3	3	Estrogen Receptor		
396	7	1	3	4	Estrogen Receptor		
397	7	1	4	1	ERK5		
398	7	1	4	2	ERK5		
399	7	1	4	3	Negative Control		
400	7	1	4	4	Anti Cy3+Cy5		
401	7	2	1	1	FAK		
402	7	2	1	2	FAK		
403	7	2	1	3	FAK-pSer772		
404	7	2	1	4	FAK-pSer772		
405	7	2	2	1	FAK-pSer910		
406	7	2	2	2	FAK-pSer910		
407	7	2	2	3	FAK-pTyr577		
408	7	2	2	4	FAK-pTyr577		
409	7	2	3	1	FAK-pTyr397		
410	7	2	3	2	FAK-pTyr397		
411	7	2	3	3	Grb-2		
412	7	2	3	4	Grb-2		
413	7	2	4	1	IκB α		
414	7	2	4	2	IκB α		
415	7	2	4	3	Negative Control		
416	7	2	4	4	Anti Cy3+Cy5		
417	7	3	1	1	NAK		
418	7	3	1	2	NAK		
419	7	3	1	3	NFkB		
420	7	3	1	4	NFkB		
421	7	3	2	1	JNK		

Number	Array Row	Array Column	SubArray Row	SubArray Column	Name	Cy3 Signal Value (arbitrary Units)	Cy3 Signal Value (arbitrary Units)
422	7	3	2	2	JNK		
423	7	3	2	3	JNK activated diphospo		
424	7	3	2	4	JNK activated diphospo		
425	7	3	3	1	p38 MAPK		
426	7	3	3	2	p38 MAPK		
427	7	3	3	3	p38 MAPK activated		
428	7	3	3	4	p38 MAPK activated		
429	7	3	4	1	Mcl-1		
430	7	3	4	2	Mcl-1		
431	7	3	4	3	Negative Control		
432	7	3	4	4	Anti Cy3+Cy5		
433	7	4	1	1	MAP Kinase(Erk1+Erk2)		
434	7	4	1	2	MAP Kinase (Erk1+Erk2)		
435	7	4	1	3	MAP Kinase (Erk1)		
436	7	4	1	4	MAP Kinase (Erk1)		
437	7	4	2	1	MAP Kinase activated diphospho		
438	7	4	2	2	MAP Kinase activated diphospho		
439	7	4	2	3	MAP Kinase activated phospho-threonine		
440	7	4	2	4	MAP Kinase activated phospho-threonine		
441	7	4	3	1	MAP Kinase activated phosphoty-rosine		
442	7	4	3	2	MAP Kinase activated phosphoty-rosine		
443	7	4	3	3	MAPK non phosporylated		
444	7	4	3	4	MAPK non phosporylated		
445	7	4	4	1	MAPK activated protein kinase-2		
446	7	4	4	2	MAPK activated protein kinase-2		
447	7	4	4	3	Negative Control		
448	7	4	4	4	Anti Cy3+Cy5		
449	8	1	1	1	Cdc7 Kinase		
450	8	1	1	2	Cdc7 Kinase		
451	8	1	1	3	PAK-pSer212		
452	8	1	1	4	PAK-pSer212		
453	8	1	2	1	Phospolipase A2 group V		
454	8	1	2	2	Phospolipase A2 group V		
455	8	1	2	3	Phospolipase c γ 1		
456	8	1	2	4	Phospolipase c γ 1		
457	8	1	3	1	Phosphoserine		
458	8	1	3	2	Phosphoserine		
459	8	1	3	3	Phosphotyrosine		
460	8	1	3	4	Phosphotyrosine		
461	8	1	4	1	Phosphothronine		
462	8	1	4	2	Phosphothronine		
463	8	1	4	3	Negative Control		
464	8	1	4	4	Anti Cy3+Cy5		
465	8	2	1	1	PKB/AKT (mono)		
466	8	2	1	2	PKB/AKT (mono)		
467	8	2	1	3	PKB/AKT		
468	8	2	1	4	PKB/AKT		
469	8	2	2	1	PKB-pSer 473		
470	8	2	2	2	PKB-pSer 473		
471	8	2	2	3	PKB-pThr 308		
472	8	2	2	4	PKB-pThr 308		
473	8	2	3	1	PKC α		
474	8	2	3	2	PKC α		
475	8	2	3	3	PKC β		
476	8	2	3	4	PKC β		
477	8	2	4	1	PKC γ		
478	8	2	4	2	PKC γ		
479	8	2	4	3	Negative Control		
480	8	2	4	4	Anti Cy3+Cy5		

Number	Array Row	Array Column	SubArray Row	SubArray Column	Name	Cy3 Signal Value (arbitrary Units)	Cy3 Signal Value (arbitrary Units)
481	8	3	1	1	PKC γ (mono)		
482	8	3	1	2	PKC γ (mono)		
483	8	3	1	3	PKD		
484	8	3	1	4	PKD		
485	8	3	2	1	MAPK Phosphatase-1		
486	8	3	2	2	MAPK Phosphatase-1		
487	8	3	2	3	Protein phosphatase 1		
488	8	3	2	4	Protein phosphatase 1		
489	8	3	3	1	PTEN		
490	8	3	3	2	PTEN		
491	8	3	3	3	PTEN (mono)		
492	8	3	3	4	PTEN (mono)		
493	8	3	4	1	SGK		
494	8	3	4	2	SGK		
495	8	3	4	3	Negative Control		
496	8	3	4	4	Anti Cy3+Cy5		
497	8	4	1	1	Pyk2		
498	8	4	1	2	Pyk2		
499	8	4	1	3	Pyk2 - pTyr579		
500	8	4	1	4	Pyk2 - pTyr579		
501	8	4	2	1	Pyk 2- pTyr579/580)		
502	8	4	2	2	Pyk 2- pTyr579/580)		
503	8	4	2	3	Pyk2 - pTyr580		
504	8	4	2	4	Pyk2 - pTyr580		
505	8	4	3	1	Negative Control		
506	8	4	3	2	Negative Control		
507	8	4	3	3	RAF		
508	8	4	3	4	RAF		
509	8	4	4	1	RAF-pSer621		
510	8	4	4	2	RAF-pSer621		
511	8	4	4	3	Anti Cy3+Cy5		
512	8	4	4	4	Anti Cy3+Cy5		