Supplementary Table 1
PCR primers and probes for droplet digital PCR
Fluorescent reference probes have a 5' HEX label and a 3' Iowa Black quencher
Fluorescent mutant probes have a 5' FAM label and a 3' Iowa Black quencher
Variant nucleic acids within the probes are indicated in lower case.

p.C420R mutation	
PCR forward primer:	AGATACTAGAGTGTCTGTGTAATCA
PCR reverse primer:	CCTTTTGGGGAAGAAAAGTGTT
Fluorescent reference probe:	CCATGCCAATGGACaGTGTTCC
Fluorescent mutant probe:	CCCATGCCAATGGACgGTGT
p.E542K mutation	
PCR forward primer:	CAGCTCAAAGCAATTTCTAC
PCR reverse primer:	CACTTACCTGTGACTCCAT
Fluorescent reference probe:	CTgAAATCACTGAGCAGGAGA
Fluorescent mutant probe:	CTaAAATCACTGAGCAGGAGA
p.E545K mutation	
PCR forward primer:	CAGCTCAAAGCAATTTCTAC
PCR reverse primer:	CACTTACCTGTGACTCCAT
Fluorescent reference probe:	CTGAAATCACTgAGCAGGAGA
Fluorescent mutant probe:	CTGAAATCACTaAGCAGGAGA
p.H1047R mutation	
PCR forward primer:	AACTGAGCAAGAGGCTTTGG
PCR reverse primer:	TGTGTGGAAGATCCAATCCA
Fluorescent reference probe:	TGCACaTCATGGTGGCTGGA
Fluorescent mutant probe:	TGATGCACgTCATGGTGGCT
p.H1047L mutation	
PCR forward primer:	AACTGAGCAAGAGGCTTTGG
PCR reverse primer:	TGTGTGGAAGATCCAATCCA
Fluorescent reference probe:	TGCACaTCATGGTGGCTGGA
Fluorescent mutant probe:	TGCACtTCATGGTGGCTGGA

Supplementary Table 2:
Sequences of the smMIP probes provided by Drs. Joe Hiatt and Jay Shendure to cover the *PIK3CA* coding sequence
There are 51 separate probes. The string of "N" nucleotide within each individual probe represents the random bar code site.

1. GAATGCCTCCGTGAGGCTACCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNTATATGTAAAACTTGCAAAG
2. GTCACTATCATTCCATTTGGCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNGCTTCTTGAGTAACACTTAC
3. GGCAACCGTGAAGAAAAGATCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNCTTCAAGATGAATCTTCTTA
4. GGTTGAAAAAGCCGAAGGTCCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNATATTTTAGAAAGGGACAAC
5. ACAGGACTTCCGAAGAAATATTCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNCCCTGTTTGCAAAAAAAA
6. GATCTTTAACCATATCAAATTCCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNAATTCTGGTGAAGATTCT
7. GCAGTCTTCTACCTGTGTCTCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNATTCACCTCATAGTAGAGCA
8. GTAATTGCTGAAGCAATCAGGACTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNAGATGGTGATTGCATCTA
9. ACACAGTCATGGTTGATTTTCACTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNTTCATCACATCCACACAC
10. ACATTGAGGATGAGTATCTGTACTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNTAGAATATCAGGGCAAGT
11. ACTGTTTTACAATGCCATCTTACTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNTGAAAAACCTTACAGGAA
12. CAACATCAAATTGGGCATCCTCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNTTTATAACCCAAAGGGATT
13. GTAAAGTCAAATGCTGATGCTTCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNCATTTCCACAGCTACACC
14. CACGTAGGTTGCACAAAGAACTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNACCATCTGAAAACATACTAC
15. AGTATATAGATTTATATTTCCCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNAGTGTATACATTAGTATAT
16. GTCACATAAGGGTTCTCCTCCCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNCCAGGCTGGTCTAAAAAAA
17. CGACTTTGCCTTTCCATTTGCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNTGATTTGTAGGAGTCATTTA
18. GCACGAGGAAGATCAGGAATCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNTTGTGAAAAAATTCAATCAG
19. GCTTTGAATCTTTGGCCAGTCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNAAGTGTTTTGAAATGTGTTT
20. CCAGATACTAGAGTGTCTGTGTCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNCTGCCATAAAAAATATCT
21. ATTGAAGAGCATGCCAATTGGTCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNTTTTATGGCAGTCAAACC
22. GGGAACTTTACCACACTGCTCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNCCTAAATCCACAGATTATAA
23. CAAAGCAATTTCTACACGAGACTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNTTTCTGTAAATCATCTGTG
24. GCTAGTCTGTTACTCTGTAAAATACTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNTCCATTTTAGCACTTA
25. GAATTTACATGATTTTTAAACTACTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNTTTTCTATGGAGTCACA
26. CCCAGGTAAATGTATGTTTGAGCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNCCTTTTGAACAGCATGCA
27. ATTTGGGTAGAATTTCGGGGACTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNATTTATGTGGACTTTCTGA
28. AACTTCTGGACTGTAATTACCCCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNTTAAGGCAGTGTTTTAGA
29. ATCTTTTACCAAGCAATACACTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNAATTAAATACTGAGAAAGTT
30. CCTTTTAAAAAACCTACTGCACTCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNGTGCTTGGAAAAATATT
31. ACTTTTTCTTTTGGCATTTAAAGTCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNGGCCATGCAGAAACTG
32. CCCAATCCTTTGATTAGTCAATCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNCCAGCCAAACATAAACAA
33. GTCGTGCATGTGGGATGTATCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNGTTTAGCAAAGATTATTTGT
34. ACCTCTGGCTAACTGTTTTATTCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNGTTTCATCCTTCTTCTCC
35. GGTCCTTGGAATCAAGCAGATCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNACTTAACTGACATTCTCAA
36. CCTCAGGTACTTTCTTGGGGCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNCTTACTGTGACTATCCTTTT
37. CCTAGTTGATGAGCAGGGTTTCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNATGAGAGAGAGAAGCATAA

38. CATCTTTAAAAATGGGGATGCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNTACCTAGTAAAGTTTTTAAC
39. CAACCACAGTGGCCTTTTTGCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNCTGTGTATAAAAAGATAGCT
40. GGCAACCTGTATGTTGAAAGTCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNTGGCATTAAATGGTGATAC
41. GTATCACCATTTAATGCCACAGCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNTTCAACATACAGGTTGCC
42. GCTTGAAAGGTGCACTGCAGCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNTCATTTAATTGTAAACGTGT
43. GCCTTTGCACTGAATTTGCACTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNACAGACTCATCTAACAAAAA
44. GTGAAAGACGATGGACAAGTACTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNATACTACTCATGAGGTGTT
45. GCTACACAGTATCCAGCACATCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNATGCAGATACAAAATGTCT
46. GGTTATAAACGAGAACGTGTGCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNTGTTTTGGTGTTCTTAATT
47. ATCCAAAAAGTGTCCAAAATCTATCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNCGAGCTCACCTCTCAA
48. ATGTTGGCTGGGTGTGGTGGTTCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNAGGAGCCCAAGAATGCAC
49. GCCAGAACTACAATCTTTTGATGCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNGCTCCAAACTGACCAAA
50. CCAGAGCCAAGCATCATTGAGACTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNTGTCCAGCCACCATGATG
51. GGATTCCACACTGCACTGTTCTTCAGCTTCCCGATCCGACGGTAGTGTNNNNNNNNNNNNTGGAGTATTTCATGAAACAA

		General						Musculoskeletal		Hands and Feet			Neurological		Vascular				Cutaneous		Renal		Other			Lymphatic Component				
		General						Musculoskeletal		Hands and Feet			Neurological		Vascular				Cutaneous		Renal		Other			Lymphatic Component				
Pt	Mutation	Age	Sex	Family Hx	Asymmetric Dx	Lipomatous Mass (torso)	Lipomatous Mass (extrem)	Leg Length Discrepancy	Scoliosis	Wide hands/ feet	Macrodactyly	Syndactyly	Neurological Impairment	Head circum.	Low flow malfor.	High flow malfor.	DVT/PE	Ectatic IMV	Linear epidermal nevus	CM/Cutaneous LM	Renal agenesis/hypoplasia	Malignancy (Wilms)	Cellulitis/Bacteremia	GIB	Death	LM Location	Macrocystic	Microcystic	Combo Macro/Micro	Sclero/embol	Pain
CL-01	5	15	1	0	1	1	0	0	0	0	0	0	1	-	1	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0
CL-02	5	3	0	0	1	1	1	1	0	1	1	1	0	-	1	0	0	0	0	1	0	0	0	0	0	2	0	1	0	1	0
CL-03	2	17	0	0	1	1	0	1	1	1	1	0	0	-	1	0	0	0	0	1	1	0	0	0	0	1	0	1	0	0	0
CL-04	2	2	1	0	1	1	1	1	0	0	0	0	0	-	1	0	0	1	0	1	0	0	1	1	0	2	0	0	1	1	0
CL-05	1	16	1	0	1	1	0	0	1	0	0	0	1	-	1	1	0	0	0	1	0	0	0	1	0	1	0	0	1	1	0
CL-06	1	9	0	0	1	1	1	1	0	1	1	1	0	1	1	0	0	1	0	0	1	0	0	1	0	0	2	0	1	0	0	0
CL-07	5	11	1	0	1	1	0	1	1	1	0	1	0	-	1	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0
CL-08	0	13	1	0	1	1	0	0	0	0	0	0	0	-	1	0	0	0	0	0	0	0	0	0	0	2	0	1	0	0	0
CL-09	3	29	0	0	1	0	0	0	0	1	1	0	0	-	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
CL-10	3	14	0	0	1	1	1	0	0	1	1	0	1	-	1	0	0	1	0	0	1	0	0	1	0	0	0	1	0	0	1
CL-11	5	7	0	0	1	1	1	1	0	1	1	0	0	-	1	0	0	0	0	1	0	0	0	0	0	2	0	1	0	0	0
CL-12	5	14	0	0	1	1	1	1	1	1	1	0	1	-	1	1	0	0	0	1	0	0	1	0	0	1	1	0	0	1	0
CL-13	5	18	0	0	1	1	1	1	0	1	1	0	0	-	1	0	0	0	0	1	0	0	0	1	0	1	0	0	1	0	0
CL-14	3	15	1	0	1	1	0	0	1	1	1	0	1	-	1	0	0	1	0	1	1	0	0	1	0	1	1	0	1	1	0
CL-15	3	24	1	0	1	1	1	0	1	1	1	0	0	-	1	0	0	0	0	1	0	0	0	0	0	2	0	0	1	1	0
CL-16	4	9	0	0	1	1	0	0	0	0	1	0	1	-	1	1	0	0	0	1	0	0	0	0	0	1	0	0	1	1	0
CL-17	1	14	1	0	1	1	0	0	0	1	1	0	0	-	0	0	0	0	1	1	1	0	0	0	1	0	0	0	0	0	0
CL-18	3	3	1	0	1	1	0	0	0	1	1	0	0	-	1	0	0	0	0	1	1	0	0	0	0	1	0	1	0	1	0
CL-19	3	51	1	0	1	0	1	0	0	1	1	0	0	-	1	0	0	1	0	1	0	0	0	0	0	1	0	1	0	0	0
CL-20	2	4	0	0	1	1	1	1	0	0	0	0	0	-	1	0	0	0	0	1	0	0	1	0	0	1	0	0	1	1	0
CL-21	10	24	1	0	1	0	1	1	1	0	0	0	1	1	1	1	1	0	1	1	0	0	0	1	0	2	0	1	0	1	0
CL-22	3	19	1	0	1	1	0	0	1	0	0	0	0	-	1	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0
CL-23	4	5	1	0	1	1	1	1	0	1	1	0	0	-	1	0	0	0	0	1	1	0	0	1	0	2	0	0	1	1	0
CL-24	1	18	1	0	1	0	1	0	1	0	0	0	0	-	1	0	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0
CL-25	1	24	1	0	1	0	1	1	0	1	1	0	0	-	1	0	0	0	0	1	0	0	1	0	0	2	0	1	0	0	0
CL-26	1	5	0	0	1	1	1	0	0	0	0	0	1	1	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0
CL-27	2	2	1	0	1	1	0	0	0	0	0	0	0	-	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
CL-28	2	13	0	0	1	0	1	0	0	0	1	0	0	-	1	0	1	1	1	1	0	0	1	0	0	2	0	0	1	1	0
CL-29	8	3	0	0	1	1	1	1	0	1	1	0	0	-	1	0	1	0	0	1	1	0	1	0	0	2	0	0	1	0	0
CL-30	7	25	0	0	1	1	1	1	0	1	1	0	0	-	1	0	0	0	0	1	0	0	0	1	0	2	0	1	0	1	0
CL-31	2	20	1	0	1	1	1	1	0	1	1	0	0	-	1	0	0	0	0	1	1	0	1	1	1	2	0	0	1	0	0
CL-32	0	9	1	0	1	0	1	1	0	1	1	1	0	-	1	0	0	0	0	0	0	0	1	0	0	2	0	0	1	1	0
CL-33	3	2	0	0	1	1	0	1	0	1	1	1	0	-	1	0	0	0	0	1	0	0	1	0	0	2	0	1	0	1	0
KT-01	0	23	1	0	1	0	1	1	0	1	1	0	0	-	1	0	0	0	0	1	0	0	1	0	0	1	0	1	1	0	0
KT-02	3	11	0	0	1	1	1	0	1	1	1	1	0	-	1	0	0	0	0	1	0	0	1	0	0	2	0	1	0	1	0
KT-03	6	22	0	0	1	0	1	1	0	0	0	0	0	-	1	0	0	1	0	0	0	0	1	0	0	2	0	1	1	0	0
KT-04	4	6	1	0	1	0	1	1	0	1	1	0	0	-	1	0	0	0	0	1	0	0	1	0	0	2	0	1	0	1	0
KT-05	3	15	0	0	1	1	1	1	0	1	1	1	0	-	1	0	0	0	0	1	0	0	0	1	0	2	1	0	0	1	0
KT-06	3	30	1	0	1	0	1	0	0	0	0	0	0	-	1	0	0	0	0	1	0	0	0	0	0	2	0	1	0	0	0
KT-07	3	32	0	0	1	0	1	1	0	1	1	0	0	-	1	0	0	0	0	1	0	0	0	1	0	2	0	1	0	1	0
KT-08	5	9	0	0	1	0	1	1	0	0	0	0	0	-	1	0	0	0	0	1	0	0	1	1	0	2	0	0	1	1	0
KT-09	3	17	1	0	1	1	1	1	0	1	1	0	0	-	1	0	0	0	0	1	0	0	1	0	0	2	0	1	0	0	0
KT-10	5	21	1	0	1	0	1	0	0	0	0	0	0	-	1	0	0	0	0	1	0	0	0	1	0	2	0	0	1	1	0
KT-11	5	10	1	0	1	0	1	1	0	0	0	0	0	-	1	0	0	1	0	0	0	0	1	0	0	2	0	1	0	0	0
KT-12	5	19	1	0	1	0	1	1	0	1	1	0	0	-	1	0	0	0	0	1	0	0	0	0	0	2	0	0	1	0	0
KT-13	2	12	0	0	1	0	1	1	0	1	1	1	0	-	1	0	0	0	0	1	0	0	1	0	0	2	0	0	1	0	0
KT-14	5	9	1	0	1	0	1	1	0	0	0	0	0	-	1	0	0	0	0	1	0	0	1	1	0	2	0	0	1	1	0
KT-15	3	14	0	0	1	1	1	1	0	1	1	0	0	-	1	0	0	0	0	1	0	0	1	1	0	2	0	1	0	1	0
KT-16	3	4	1	0	1	0	1	1	0	1	0	0	0	-	1	0	0	0	0	1	0	0	0	0	0	2	0	1	0	1	0
KT-17	5	9	1	0	1	0	1	1	0	1	1	1	0	-	1	0	0	0	0	1	0	0	1	0	0	2	0	0	1	1	0
KT-18	2	28	1	0	1	0	1	1	0	1	1	0	0	-	1	0	0	0	0	1	0	0	1	0	0	2	0	1	0	0	0
KT-19	3	28	1	0	1	0	0	1	0	1	1	0	0	-	1	0	1	0	0	1	0	0	0	1	0	2	0	0	1	1	0
KT-20	3	27	1	0	1	0	1	1	0	1	1	0	0	-	1	0	0	0	0	1	0	0	0	1	0	2	0	1	0	0	0
KT-21	2	24	0	0	1	0	1	1	0	1	1	0	0	-	1	0	0	0	0	1	0	0	1	1	0	2	0	1	0	1	0
LM-01	2	7	1	0	1	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	0	0
LM-02	5	13	0	0	1	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0
LM-03	1	13	0	0	1	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	2	0	0	1	1	0
LM-04	3	11	1	0	1	0	0	0	0	1	1	0	0	-	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0
LM-05	5	16	1	0	1	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	0
LM-06	4	14	1	0	1	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	1	0
LM-07	2	1	1	0	1	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0
LM-08	5	17	1	0	1	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0
LM-09	2	6	1	0	1	0	0	0	0	1	0	0	0	-	0	0	0	0	0	0	0	0	1	0	0	2	0	0	1	0	0
LM-10	0	8	0	0	1	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0
LM-11	4	8	1	0	1	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0
LM-12	3	5	0	0	1	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	1	0	0	1	0	0	1	0	0
LM-13	4	10	0	0	1	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0
LM-14	5	15	1	0	1	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0
LM-15	5	3	1	0	1	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
LM-16	2	9	1	0	1	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0
LM-17	3	13	0	0	1	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	1	0	0	1	0	1	0	0	0
F-01	1	35	0	0	1	0	1	0	0	0	0	0	0	-	1	0	0	0	0	0	0	0	0	0	0	-	-	-	-	1	1
F-02	0	17	1	0	1	0	0	0	0	0	0	0	0	-	1	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-	1
F-03	9	31	0	0	1	0	1	0	0	0	0	0	0	-	1	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-	1
F-04	2	15	0	0	1	0	1	0	0	0	0	0	0	-	1	0	0	0	0	0	0	0	0	0	0	-	-	-	-	1	1
F-05	0	15	1	0	1	0	1	0	0	0	0	0	0	-	1	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-	1
F-06	1	19	0	0	1	0	1	0	0	0	0	0	0	-	1	0	0	0	0	0	0	0	0	0	0	-	-	-	-	1	1
F-07	3	19	0	0	1	0	1	0	0	0	0	0	0	-	1	0	0	0	0	0	0	0	0	0	0	-	-	-	-	1	1
F-08	5	16	1	0	1	0	0	0	0	0	0	0	0	-	1	0	0	0	0	0	1	0	0	0	1	0	-	-	-	-	0

	Mutations	Age - yrs	Sex	Fam Hx	Assym Dx	Lipomatous Mass (torso)	Lipomatous Mass (extrem)	LLD	Scoliosis	Wide Hands/Feet	Macrodactyly	Syndactyly	Neurological Impairment	Head circum.	Low flow malfor.	High flow malfor.	DVT/PE	Ectatic IMV	Linear epidermal nevus	Multiple small nevi	Renal agenesis/hypoplasia	Malignancy (Wilms)	Cellulitis/Bacteremia	GIB	Death	LM Location	Macrocystic	Microcystic	Combo Macro/Micro	Sclero	Pain
	No mutation - 0		Sex	no - 0	no - 0	no - 0	no - 0	no - 0	no - 0	no - 0	no - 0	no - 0	no - 0	no - 0	no - 0	no - 0	no - 0	no - 0	no - 0	no - 0	no - 0	no - 0	no - 0	no - 0	no - 0	Head/neck - 0	no - 0	no - 0	no - 0	no - 0	no - 0
	C42OR - 1		Male -1	yes - 1	yes - 1	yes - 1	yes - 1	yes -1	yes -1	yes - 1	yes -1	yes -1	yes -1	yes -1	yes -1	yes -1	yes -1	yes -1	yes -1	yes -1	yes -1	yes -1	yes -1	yes -1	yes -1	torso -1	yes -1	yes -1	yes -1	yes -1	yes - 1
	E542K - 2																									extrem -2					
	E545K - 3																														
	H1047L - 4																														
	H1047R - 5																														
	E545G - 6																														
	H450R - 7																														
	N345K - 8																														
	Q546K - 9																														
	T1025A - 10																														